BEST AVAILABLE COPY

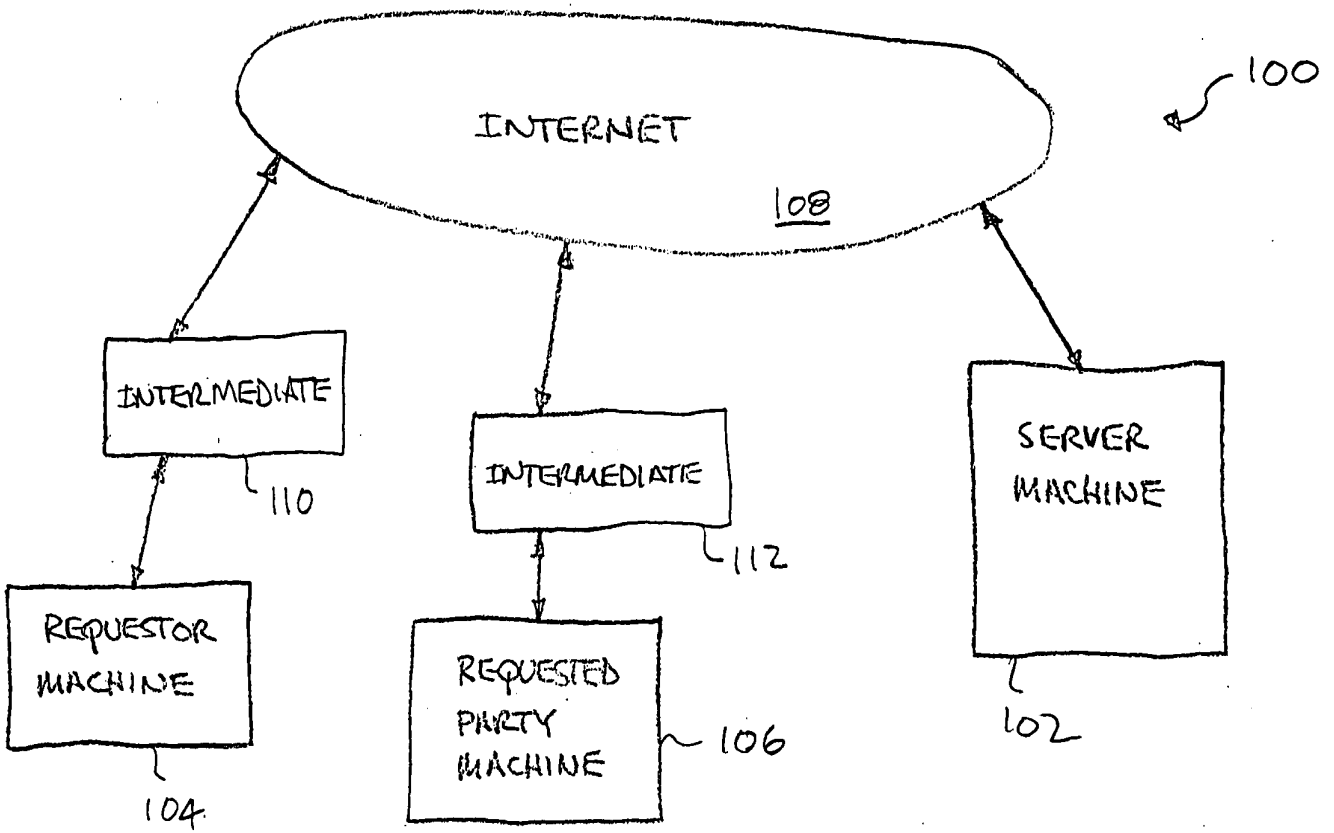

FIG. 1

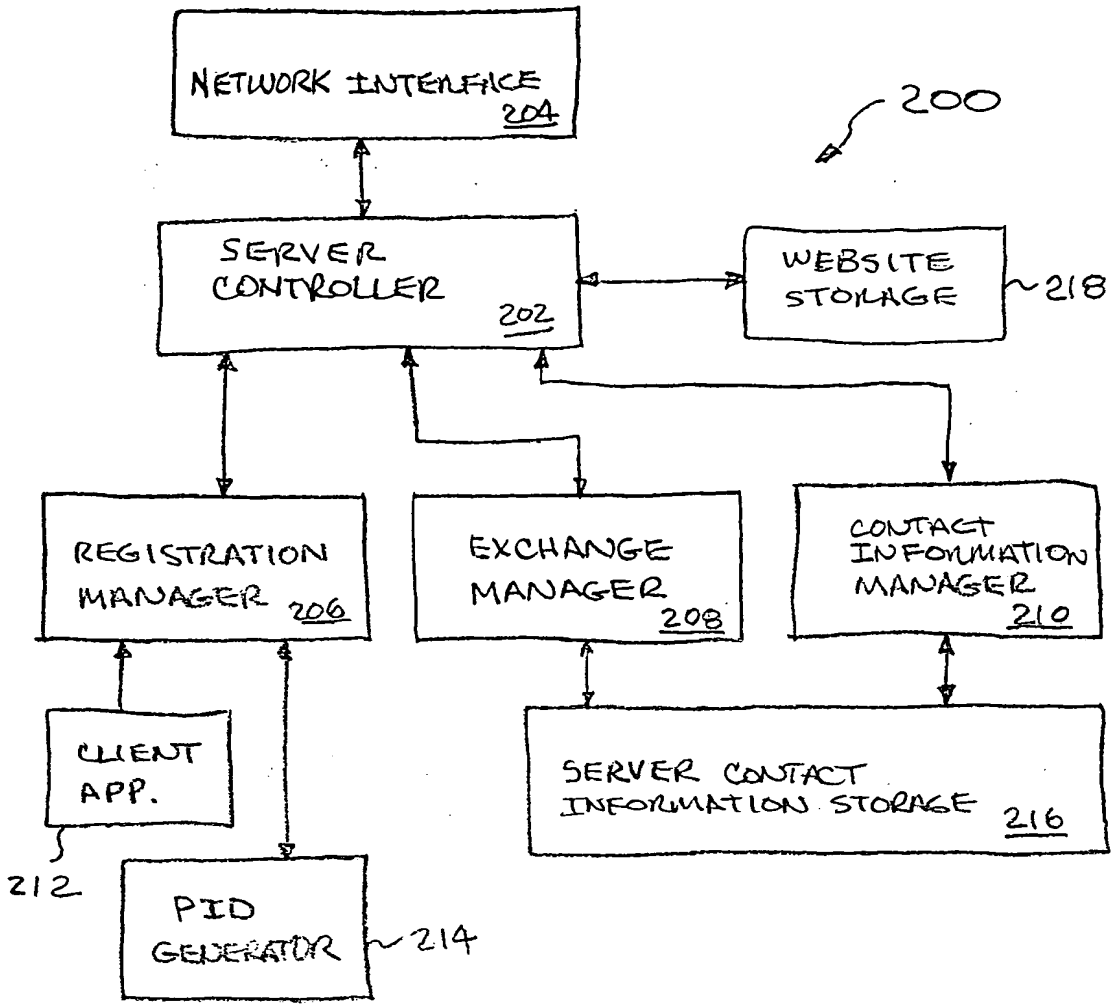
NETWORK INTERFACE
204
200
SERVER
CONTROLLER
202
WEBSITE
STORAGE
218
REGISTRATION
MANAGER
206
EXCHANGE
MANAGER
208
CONTACT
INFORMATION
MANAGER
210
CLIENT
APP.
212
SERVER CONTACT
INFORMATION STORAGE
216
PID
GENERATOR
214

FIG. 2

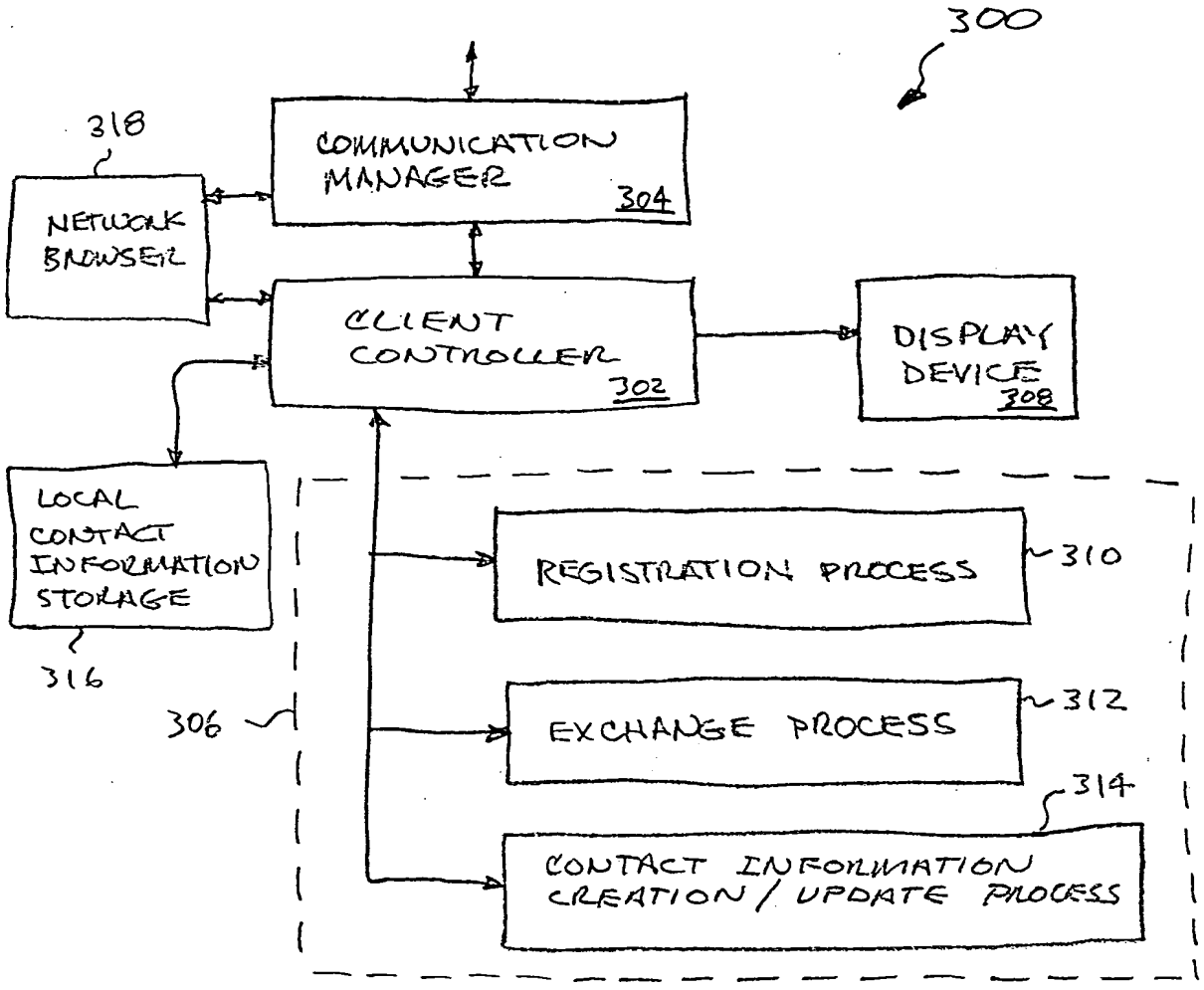
300
318
COMMUNICATION MANAGER
304
NETWORK BROWSER
CLIENT CONTROLLER
302
DISPLAY DEVICE
308
LOCAL CONTACT INFORMATION STORAGE
316
306
REGISTRATION PROCESS
310
EXCHANGE PROCESS
312
314
CONTACT INFORMATION CREATION / UPDATE PROCESS

FIG. 3

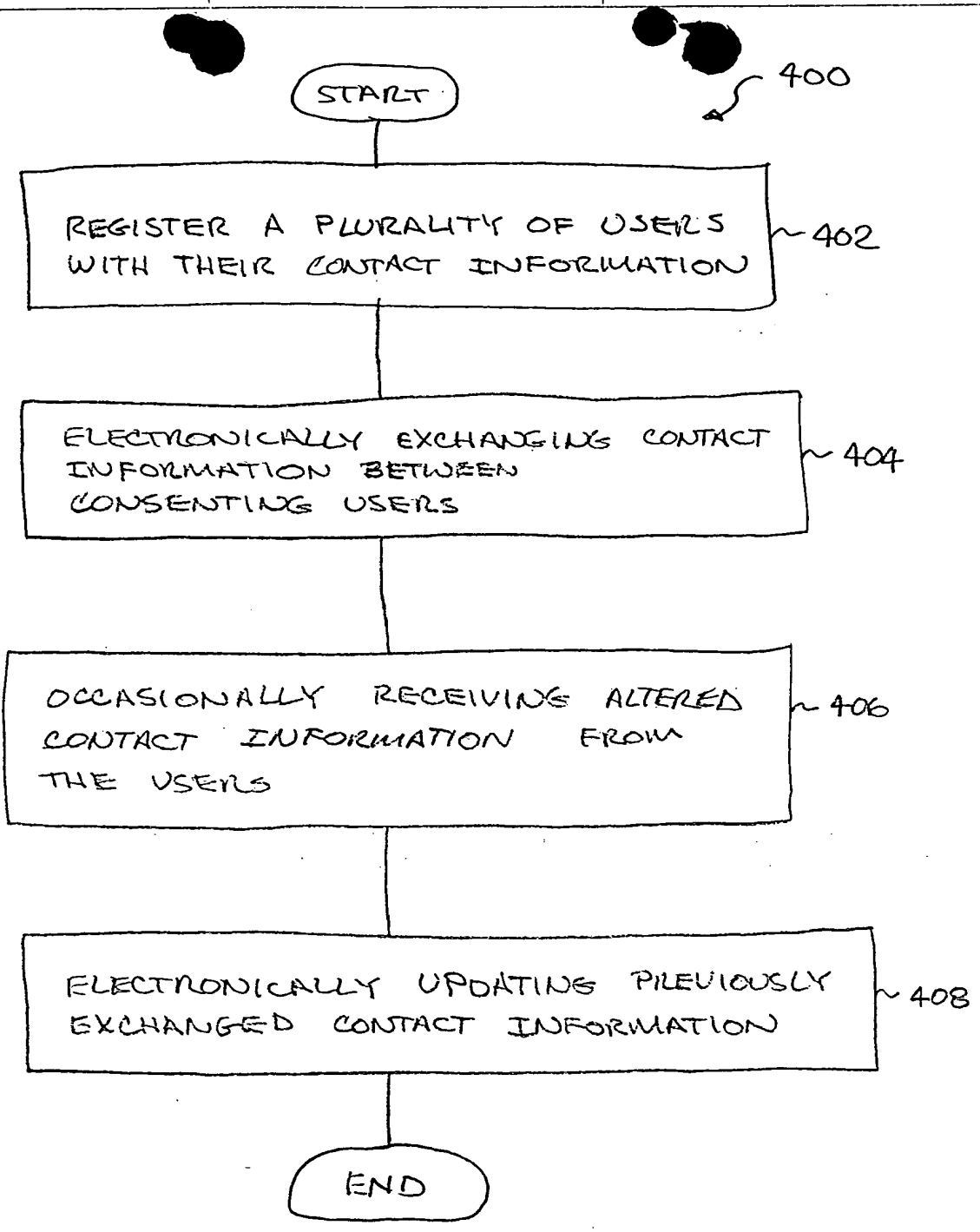
START
400
REGISTER A PLURALITY OF USERS WITH THEIR CONTACT INFORMATION
402
ELECTRONICALLY EXCHANGING CONTACT INFORMATION BETWEEN CONSENTING USERS
404
OCCASIONALLY RECEIVING ALTERED CONTACT INFORMATION FROM THE USERS
406
ELECTRONICALLY UPDATING PREVIOUSLY EXCHANGED CONTACT INFORMATION
408
END

FIG. 4

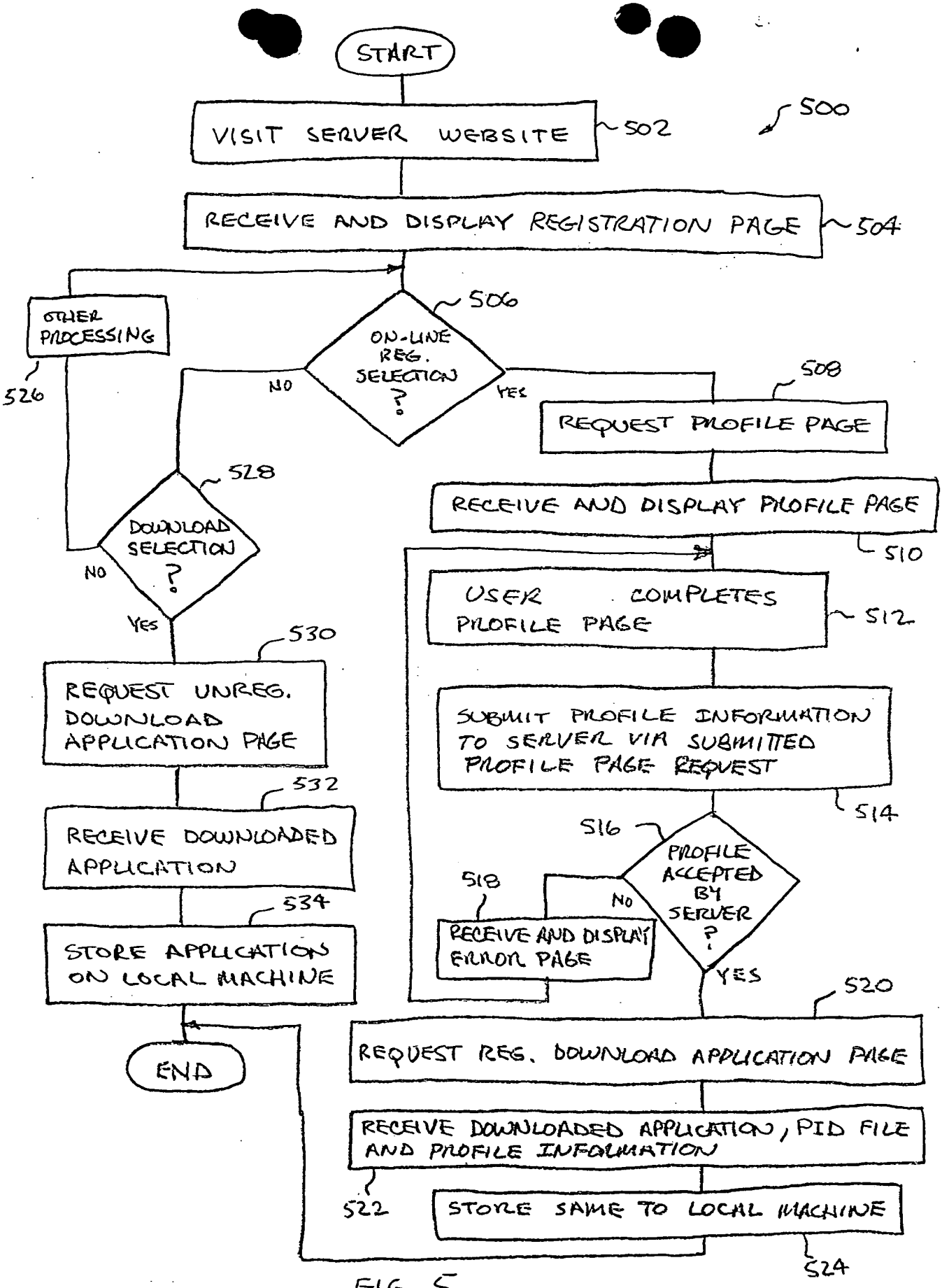
START
VISIT SERVER WEBSITE
502
500
RECEIVE AND DISPLAY REGISTRATION PAGE
504
OTHER PROCESSING
526
ON-LINE REG. SELECTION ?
506
NO
YES
REQUEST PROFILE PAGE
508
RECEIVE AND DISPLAY PROFILE PAGE
510
DOWNLOAD SELECTION ?
528
NO
YES
USER COMPLETES PROFILE PAGE
512
REQUEST UNREG. DOWNLOAD APPLICATION PAGE
530
SUBMIT PROFILE INFORMATION TO SERVER VIA SUBMITTED PROFILE PAGE REQUEST
514
RECEIVE DOWNLOADED APPLICATION
532
PROFILE ACCEPTED BY SERVER ?
516
NO
YES
RECEIVE AND DISPLAY ERROR PAGE
518
STORE APPLICATION ON LOCAL MACHINE
534
REQUEST REG. DOWNLOAD APPLICATION PAGE
520
END
RECEIVE DOWNLOADED APPLICATION, PID FILE AND PROFILE INFORMATION
522
STORE SAME TO LOCAL MACHINE
524

FIG. 5

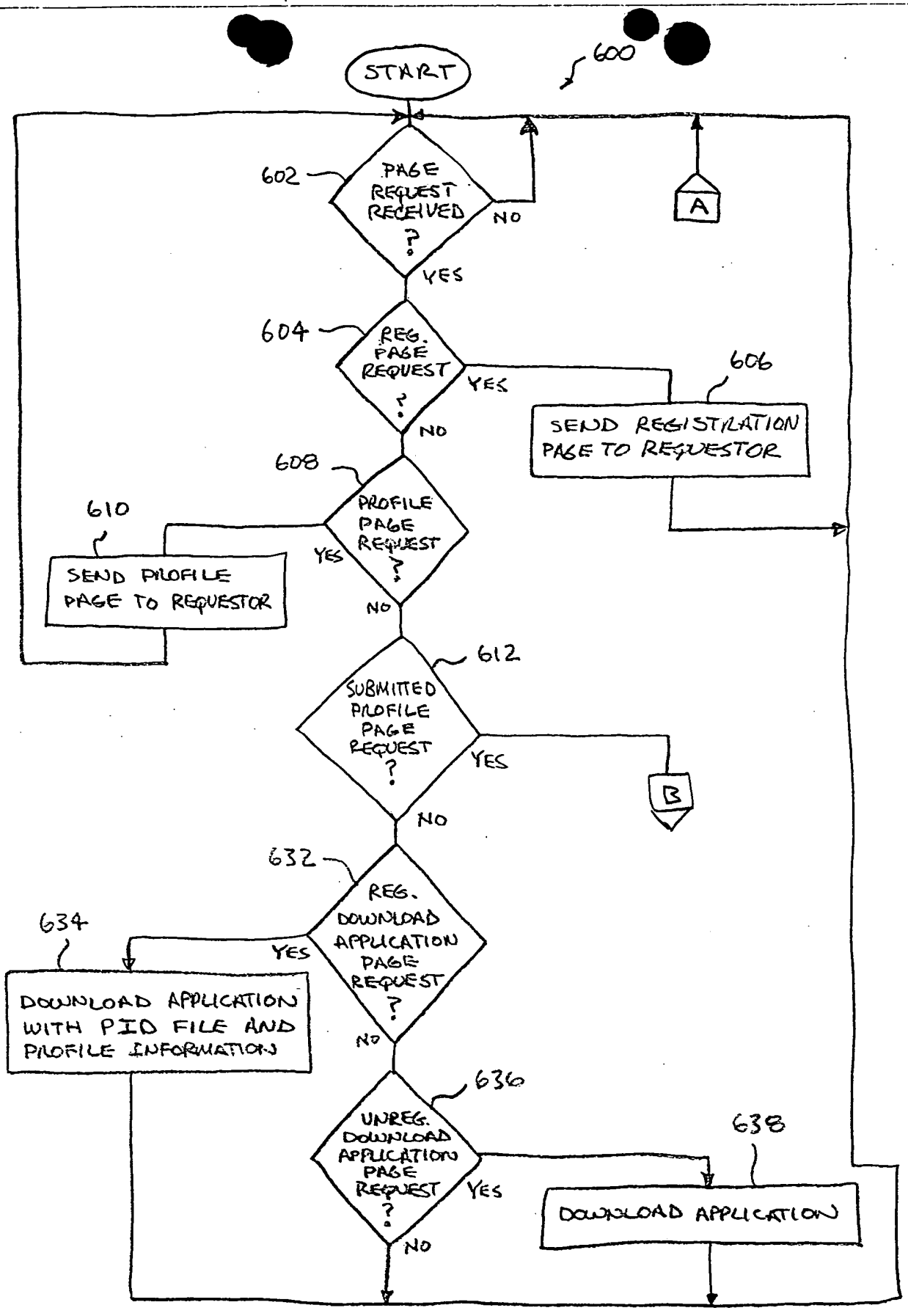
START
600
602
PAGE REQUEST RECEIVED ?
NO
YES
A
604
REG. PAGE REQUEST ?
YES
606
SEND REGISTRATION PAGE TO REQUESTOR
NO
608
PROFILE PAGE REQUEST ?
YES
610
SEND PROFILE PAGE TO REQUESTOR
NO
612
SUBMITTED PROFILE PAGE REQUEST ?
YES
B
NO
632
REG. DOWNLOAD APPLICATION PAGE REQUEST ?
YES
634
DOWNLOAD APPLICATION WITH PID FILE AND PROFILE INFORMATION
NO
636
UNREG. DOWNLOAD APPLICATION PAGE REQUEST ?
YES
638
DOWNLOAD APPLICATION
NO

FIG. 6A

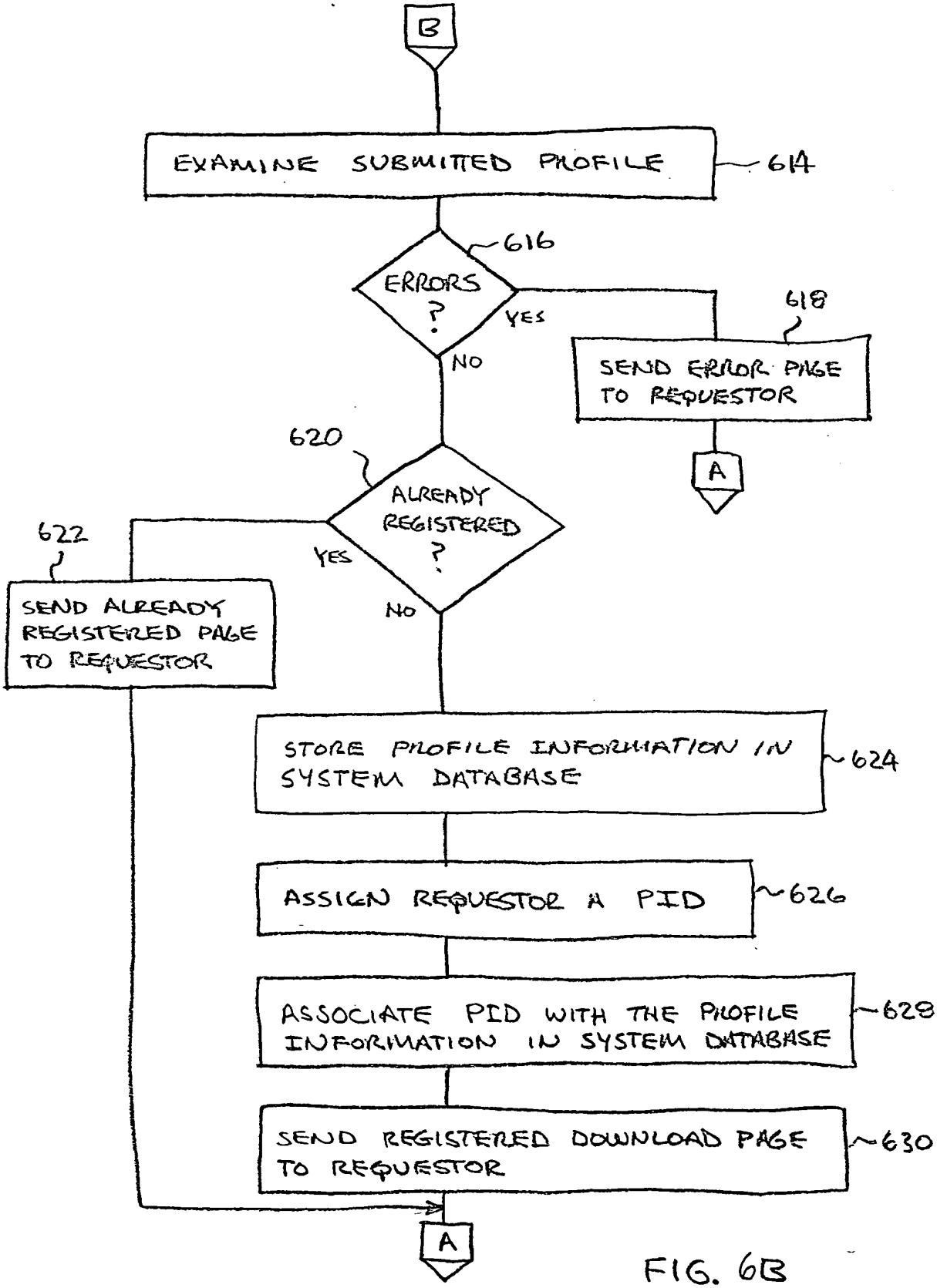
B
EXAMINE SUBMITTED PROFILE
614
616
ERRORS ?
YES
NO
618
SEND ERROR PAGE TO REQUESTOR
A
620
ALREADY REGISTERED ?
YES
NO
622
SEND ALREADY REGISTERED PAGE TO REQUESTOR
STORE PROFILE INFORMATION IN SYSTEM DATABASE
624
ASSIGN REQUESTOR A PID
626
ASSOCIATE PID WITH THE PROFILE INFORMATION IN SYSTEM DATABASE
628
SEND REGISTERED DOWNLOAD PAGE TO REQUESTOR
630
A

FIG. 6B

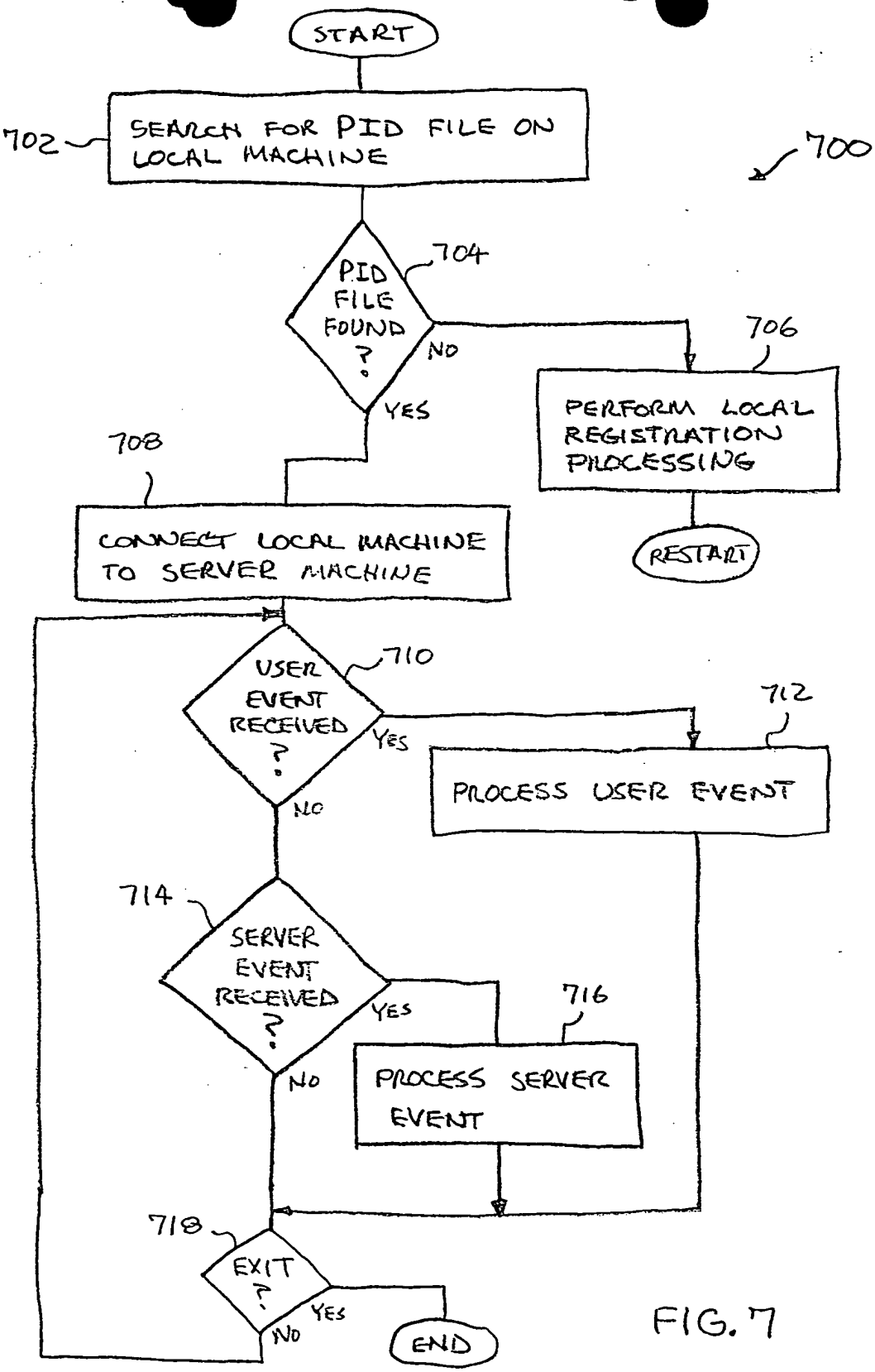
START
SEARCH FOR PID FILE ON LOCAL MACHINE
702
700
PID FILE FOUND ?
704
NO
YES
706
PERFORM LOCAL REGISTRATION PROCESSING
RESTART
708
CONNECT LOCAL MACHINE TO SERVER MACHINE
USER EVENT RECEIVED ?
710
YES
712
PROCESS USER EVENT
NO
714
SERVER EVENT RECEIVED ?
YES
716
NO
PROCESS SERVER EVENT
718
EXIT ?
YES
NO
END

FIG. 7

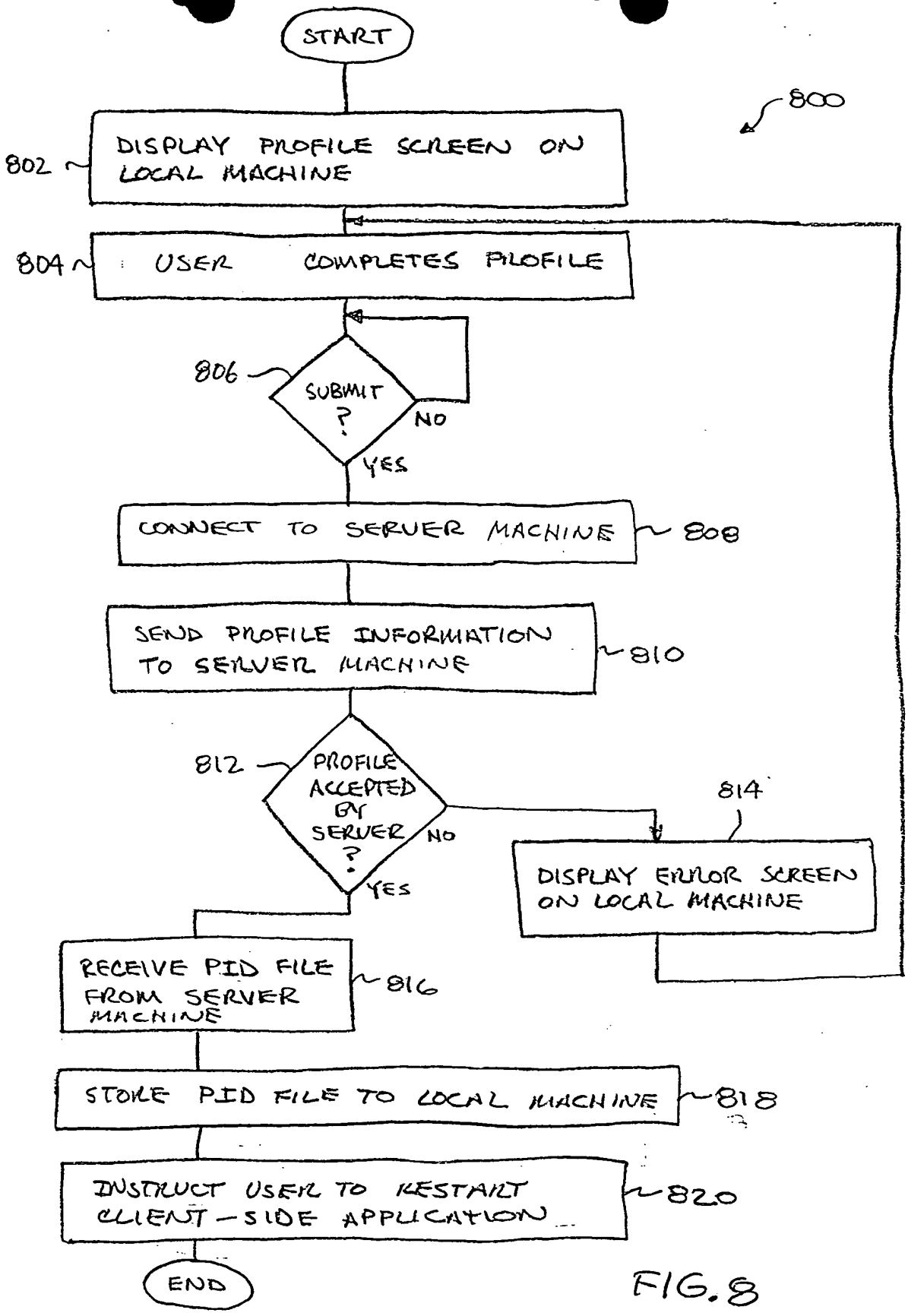
START
800
DISPLAY PROFILE SCREEN ON LOCAL MACHINE
802
USER COMPLETES PROFILE
804
SUBMIT ?
806
NO
YES
CONNECT TO SERVER MACHINE
808
SEND PROFILE INFORMATION TO SERVER MACHINE
810
PROFILE ACCEPTED BY SERVER ?
812
NO
YES
814
DISPLAY ERROR SCREEN ON LOCAL MACHINE
RECEIVE PID FILE FROM SERVER MACHINE
816
STORE PID FILE TO LOCAL MACHINE
818
INSTRUCT USER TO RESTART CLIENT-SIDE APPLICATION
820
END

FIG. 8

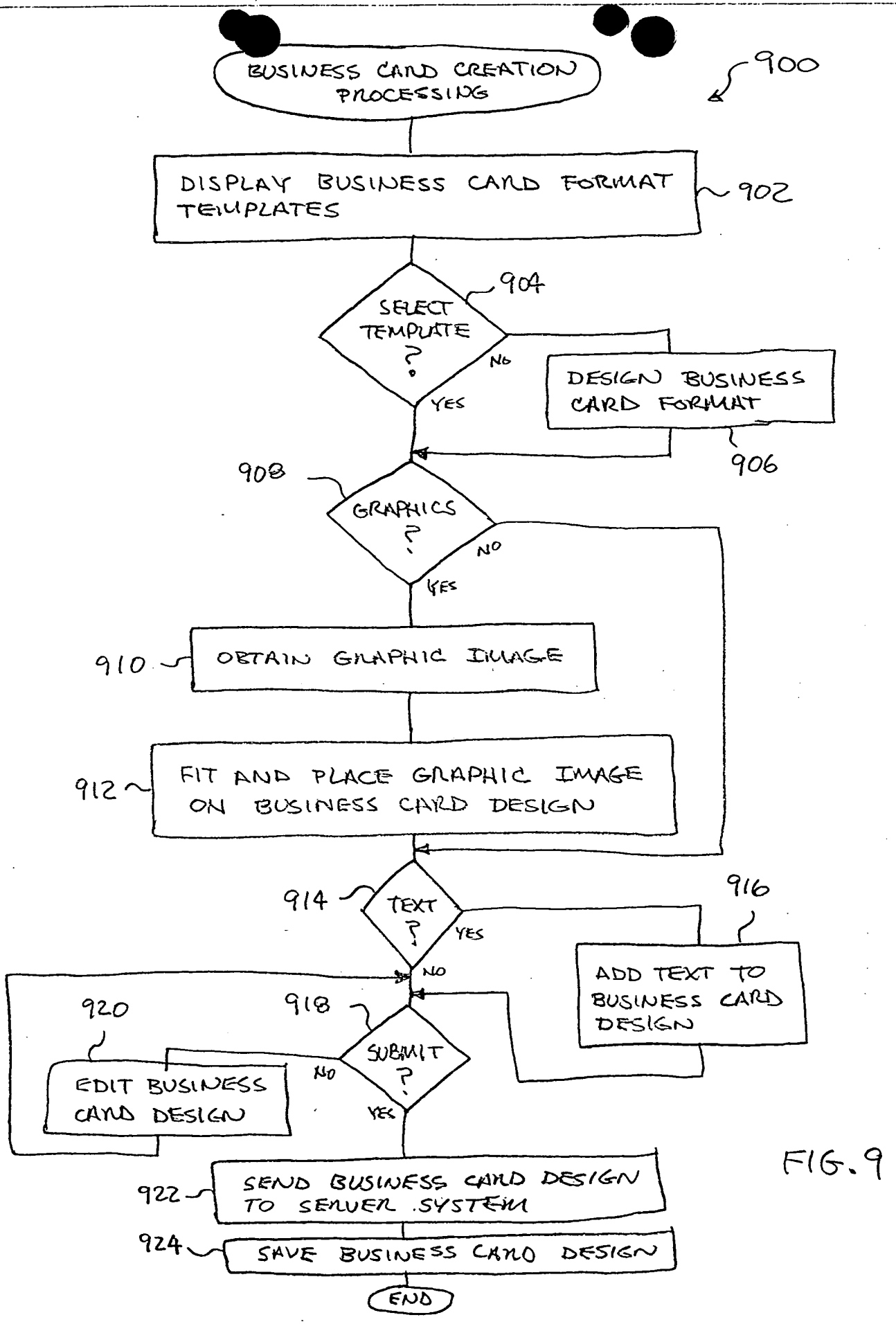

FIG. 9

09417456 - 101399

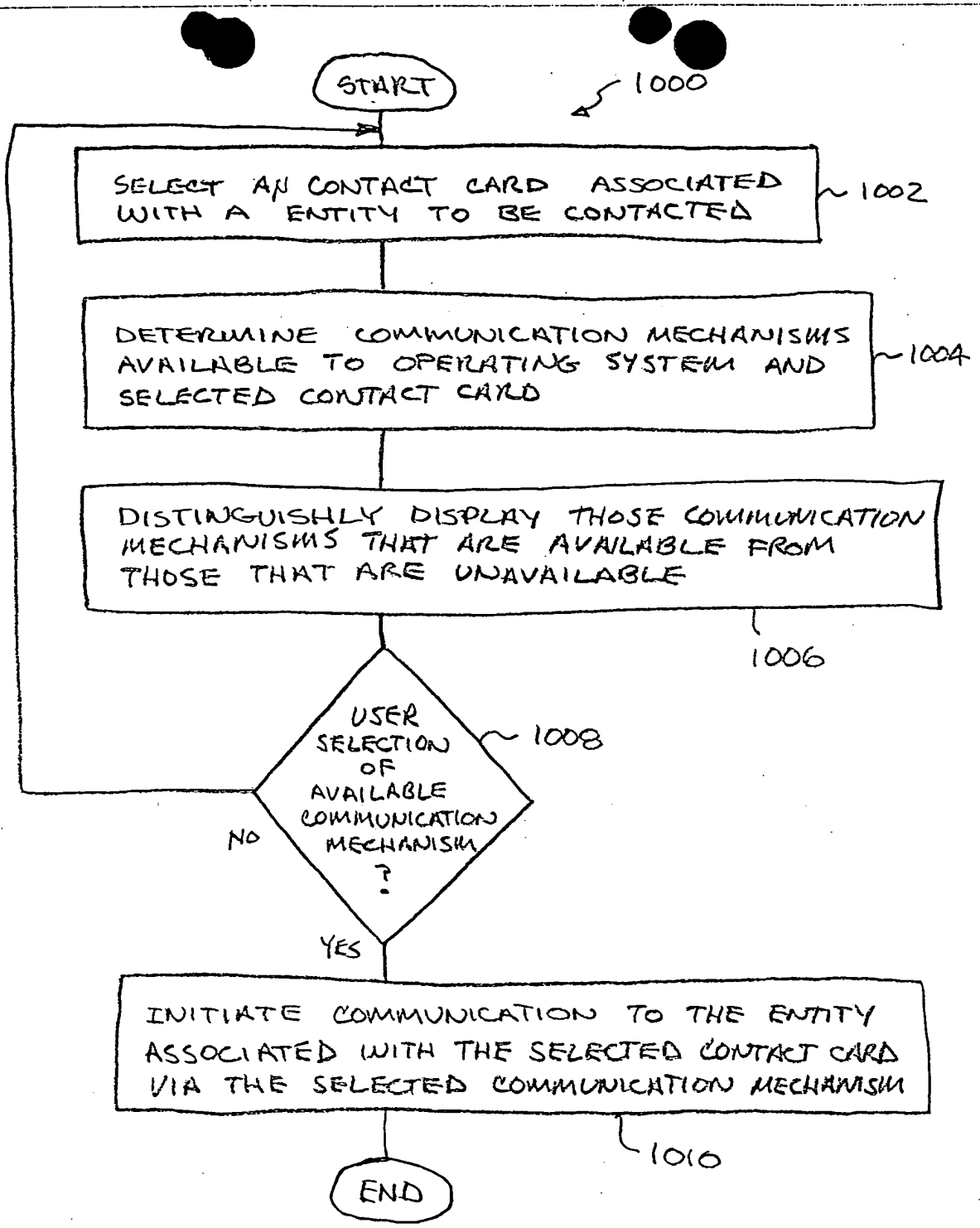
START
1000
SELECT AN CONTACT CARD ASSOCIATED WITH A ENTITY TO BE CONTACTED
1002
DETERMINE COMMUNICATION MECHANISMS AVAILABLE TO OPERATING SYSTEM AND SELECTED CONTACT CARD
1004
DISTINGUISHLY DISPLAY THOSE COMMUNICATION MECHANISMS THAT ARE AVAILABLE FROM THOSE THAT ARE UNAVAILABLE
1006
USER SELECTION OF AVAILABLE COMMUNICATION MECHANISM ?
1008
NO
YES
INITIATE COMMUNICATION TO THE ENTITY ASSOCIATED WITH THE SELECTED CONTACT CARD VIA THE SELECTED COMMUNICATION MECHANISM
1010
END

FIG. 10

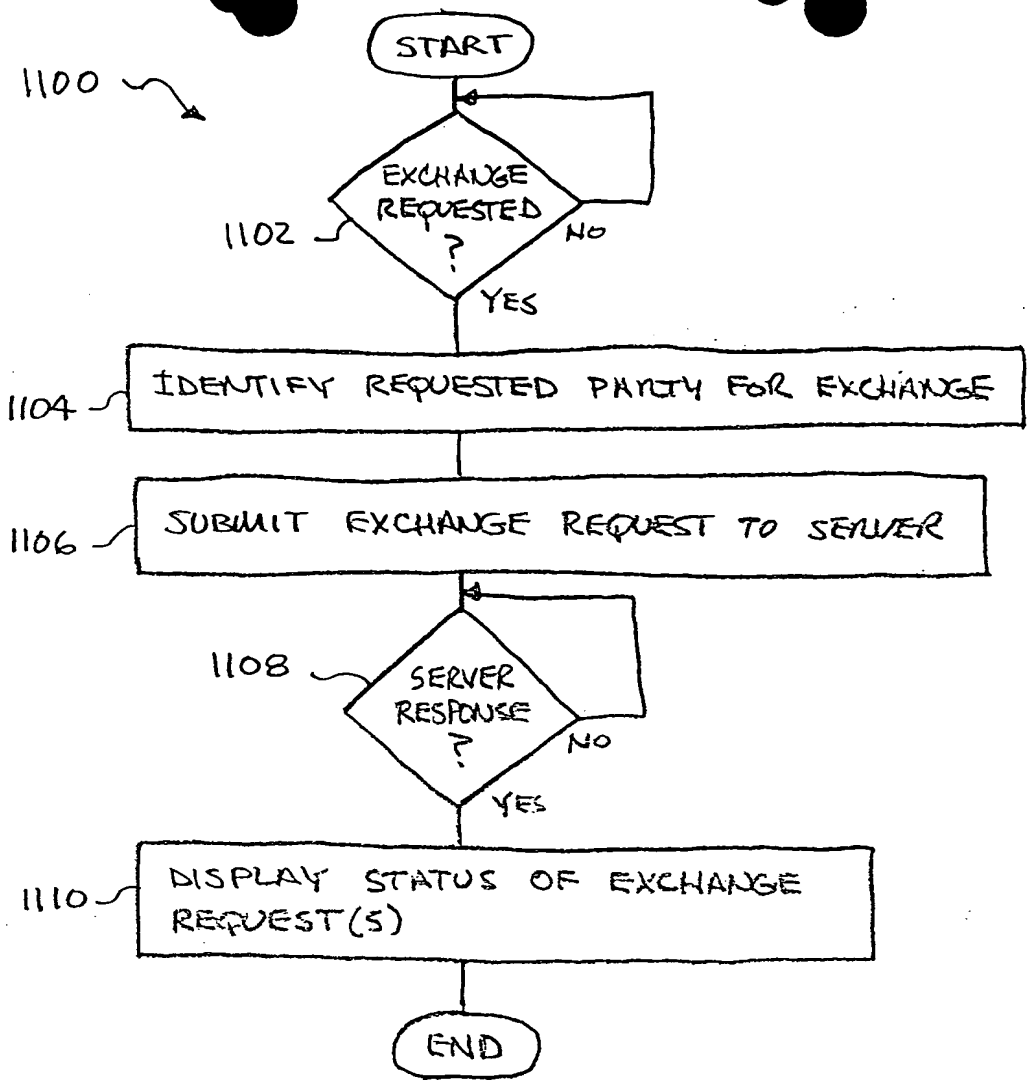
1100
START
EXCHANGE REQUESTED ?
1102
NO
YES
1104
IDENTIFY REQUESTED PARTY FOR EXCHANGE
1106
SUBMIT EXCHANGE REQUEST TO SERVER
1108
SERVER RESPONSE ?
NO
YES
1110
DISPLAY STATUS OF EXCHANGE REQUEST(S)
END

FIG. 11

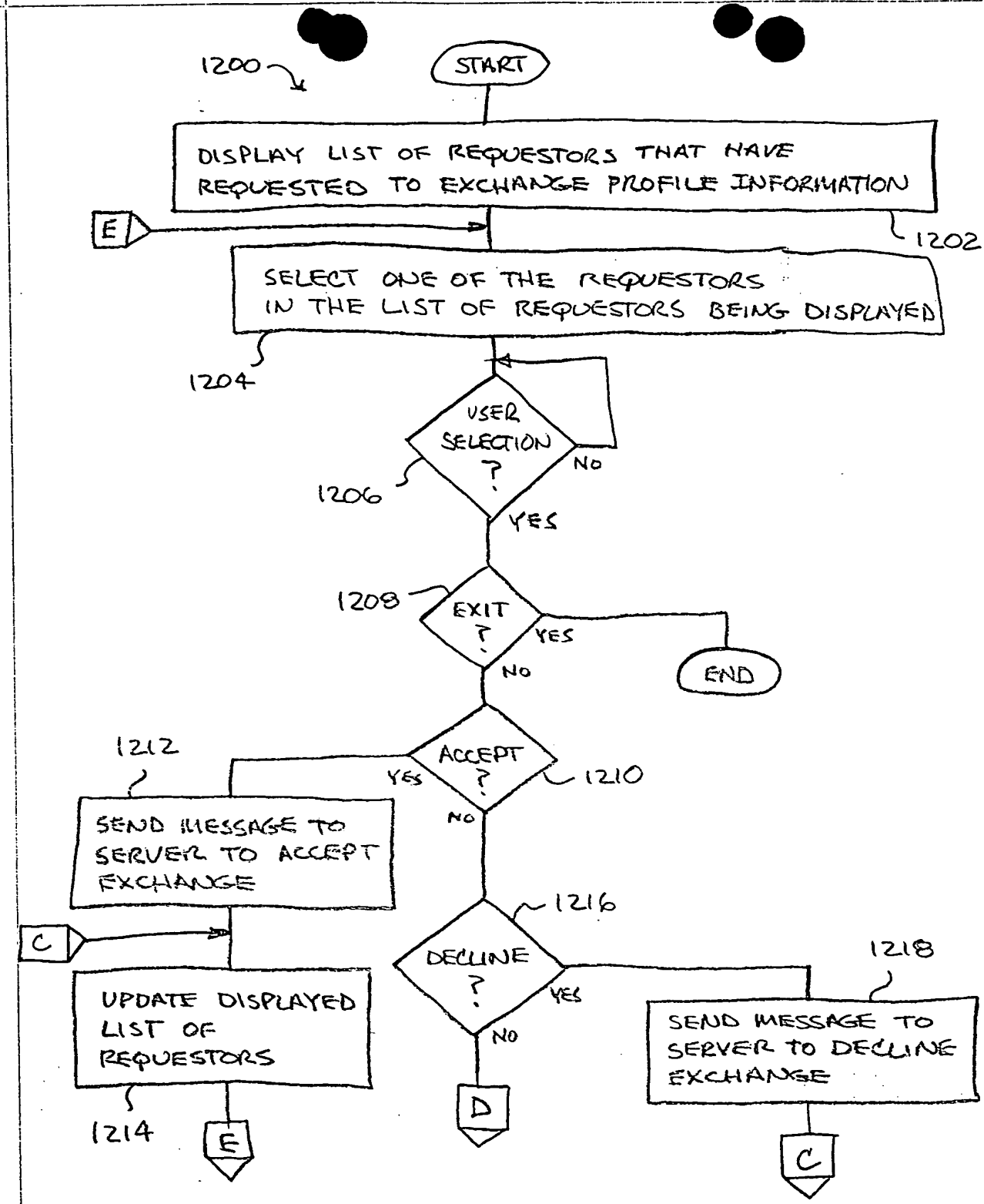
1200
START
DISPLAY LIST OF REQUESTORS THAT HAVE REQUESTED TO EXCHANGE PROFILE INFORMATION
1202
E
SELECT ONE OF THE REQUESTORS IN THE LIST OF REQUESTORS BEING DISPLAYED
1204
USER SELECTION ?
1206
NO
YES
1208
EXIT ?
YES
END
NO
ACCEPT ?
1210
1212
YES
NO
SEND MESSAGE TO SERVER TO ACCEPT EXCHANGE
1216
DECLINE ?
1218
YES
NO
SEND MESSAGE TO SERVER TO DECLINE EXCHANGE
C
UPDATE DISPLAYED LIST OF REQUESTORS
1214
E
D
C

FIG. 12A

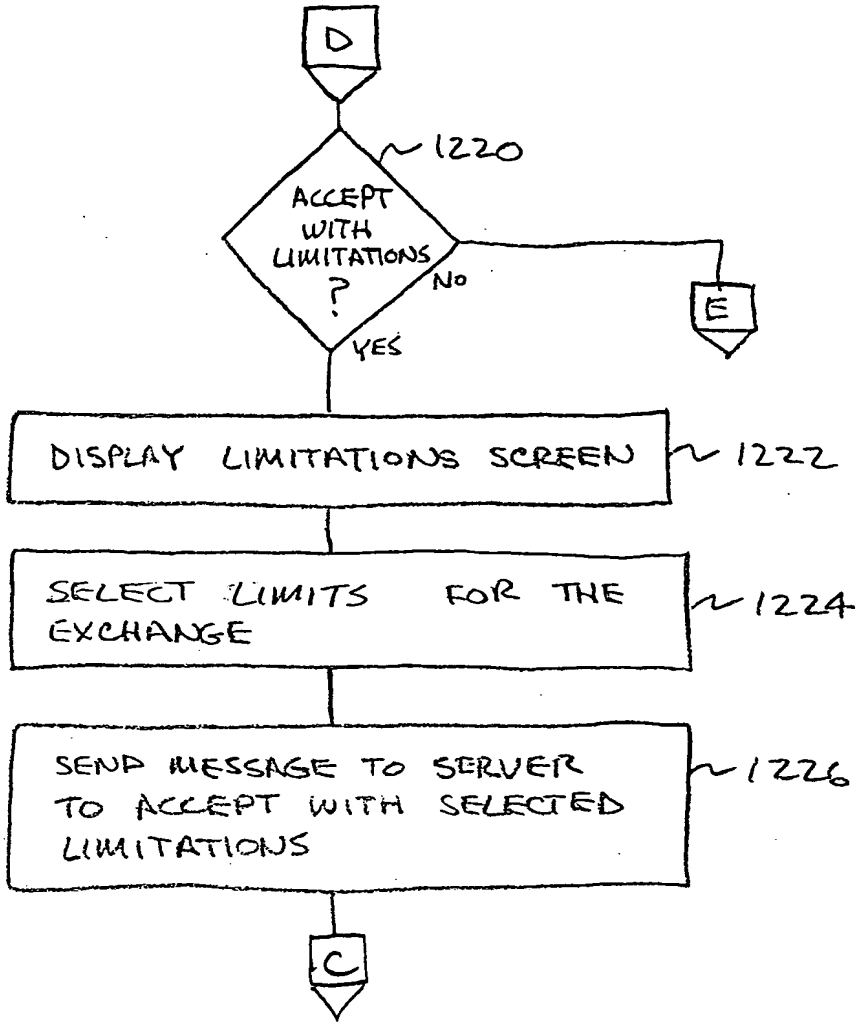
D
1220
ACCEPT WITH LIMITATIONS ?
No
E
YES
DISPLAY LIMITATIONS SCREEN
1222
SELECT LIMITS FOR THE EXCHANGE
1224
SEND MESSAGE TO SERVER TO ACCEPT WITH SELECTED LIMITATIONS
1226
C

FIG. 12B

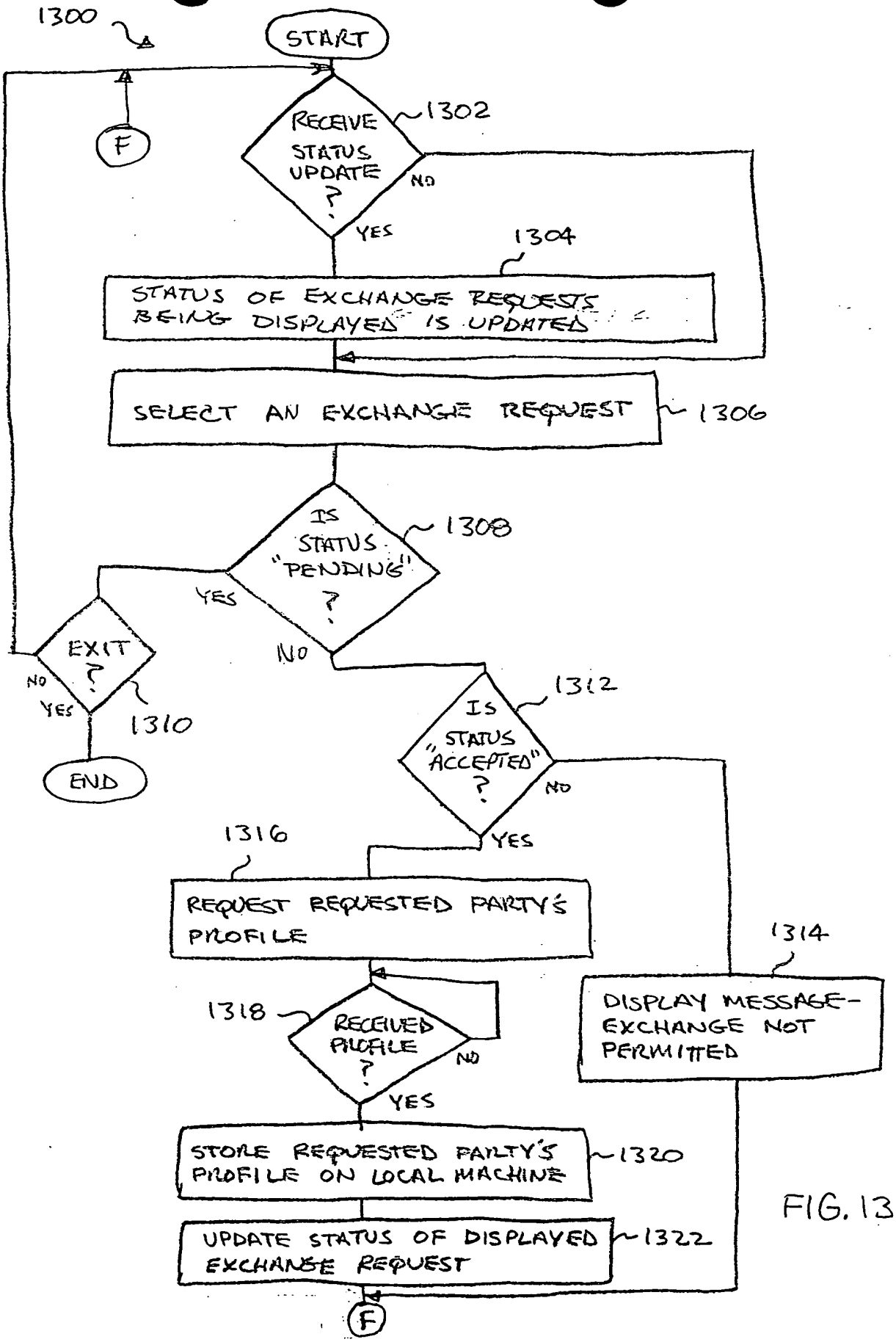
1300
START
F
RECEIVE STATUS UPDATE ?
1302
NO
YES
1304
STATUS OF EXCHANGE REQUESTS BEING DISPLAYED IS UPDATED
SELECT AN EXCHANGE REQUEST
1306
IS STATUS "PENDING" ?
1308
YES
NO
EXIT ?
NO
YES
1310
END
IS STATUS "ACCEPTED" ?
1312
NO
YES
1316
REQUEST REQUESTED PARTY'S PROFILE
1314
DISPLAY MESSAGE- EXCHANGE NOT PERMITTED
1318
RECEIVED PROFILE ?
NO
YES
STORE REQUESTED PARTY'S PROFILE ON LOCAL MACHINE
1320
UPDATE STATUS OF DISPLAYED EXCHANGE REQUEST
1322
F

FIG. 13

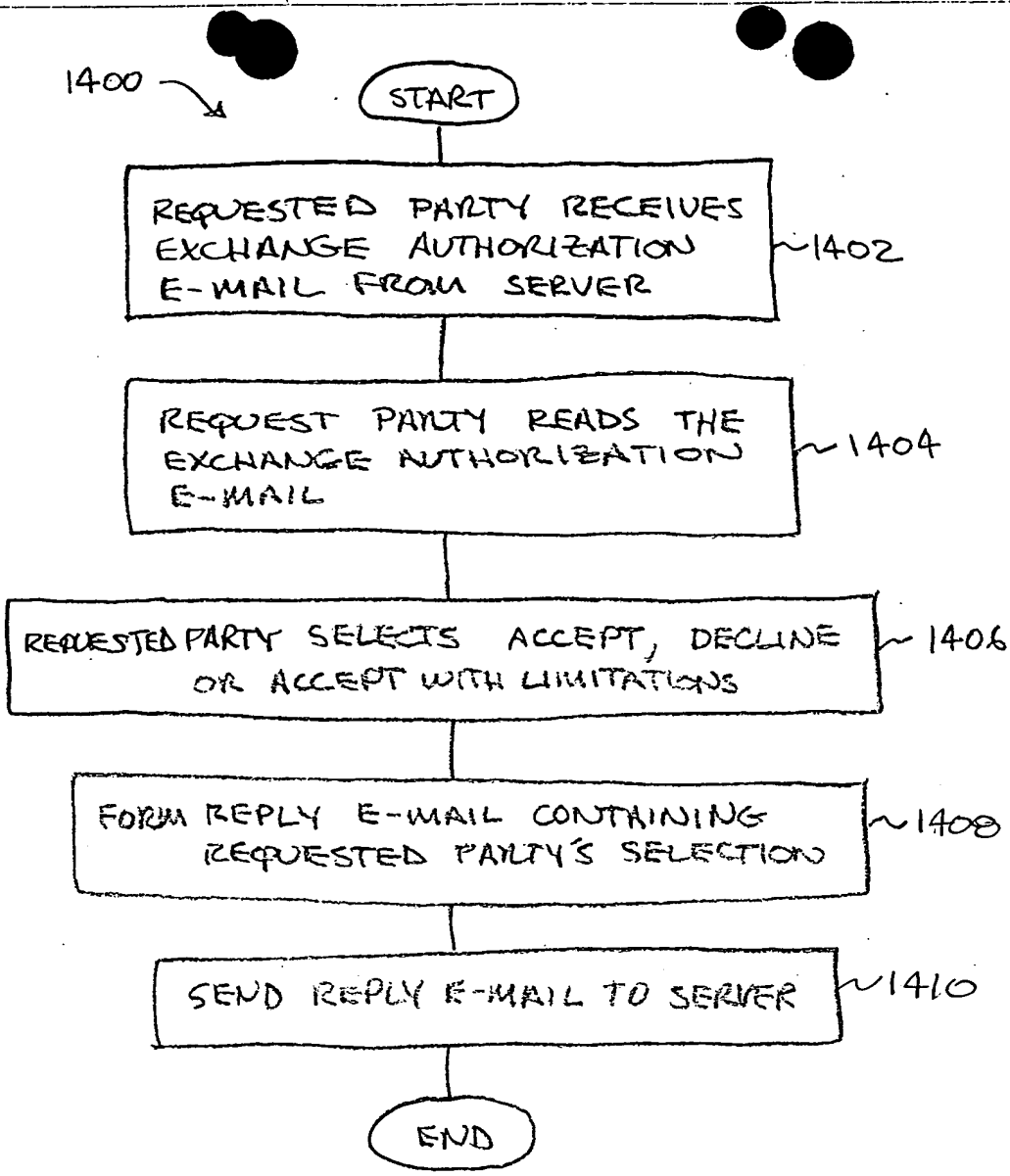
1400
START
REQUESTED PARTY RECEIVES EXCHANGE AUTHORIZATION E-MAIL FROM SERVER
1402
REQUEST PARTY READS THE EXCHANGE AUTHORIZATION E-MAIL
1404
REQUESTED PARTY SELECTS ACCEPT, DECLINE OR ACCEPT WITH LIMITATIONS
1406
FORM REPLY E-MAIL CONTAINING REQUESTED PARTY'S SELECTION
1408
SEND REPLY E-MAIL TO SERVER
1410
END

FIG. 14

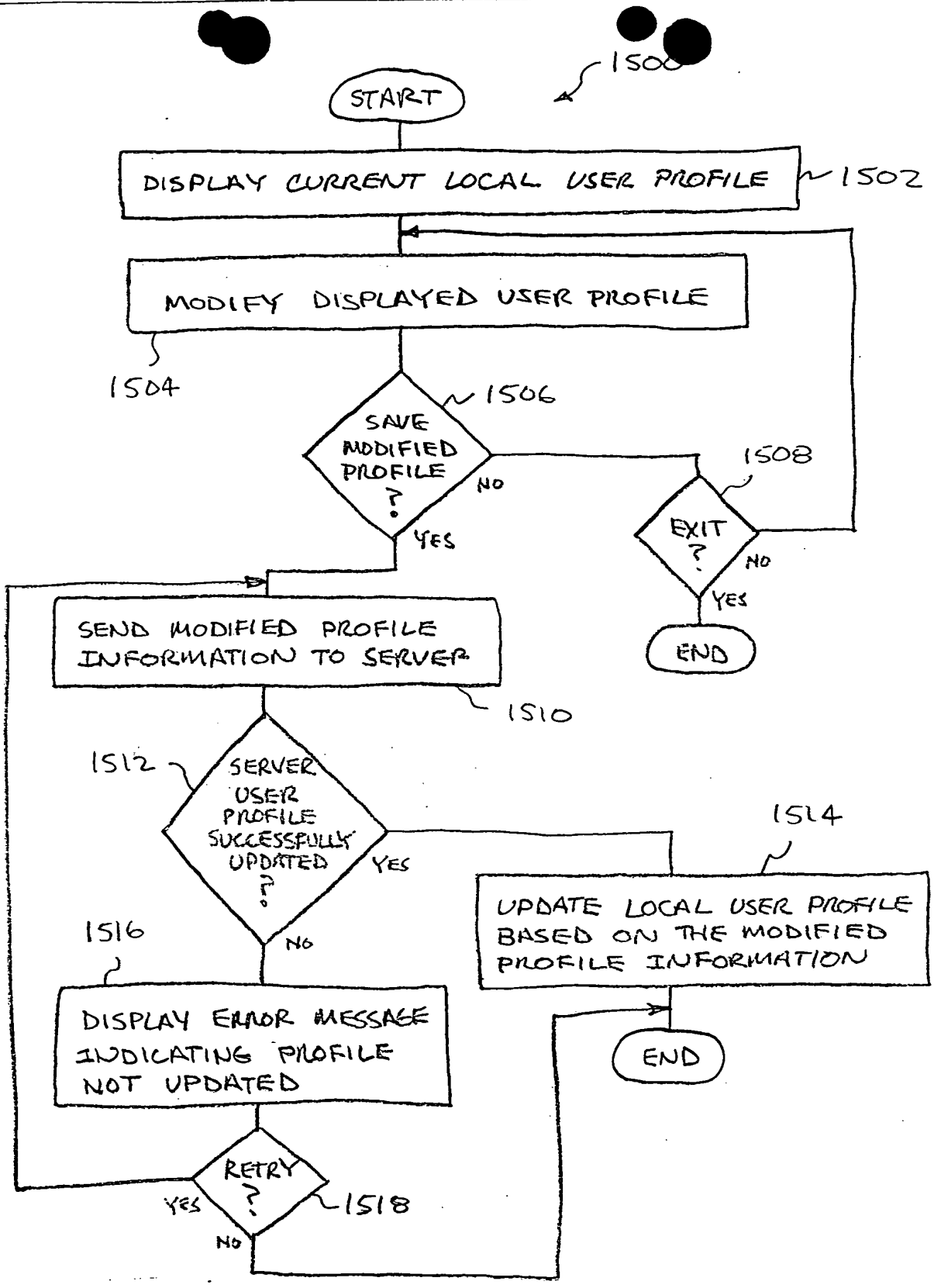
1500
START
DISPLAY CURRENT LOCAL USER PROFILE
1502
MODIFY DISPLAYED USER PROFILE
1504
SAVE MODIFIED PROFILE ?
1506
NO
YES
EXIT ?
1508
NO
YES
END
SEND MODIFIED PROFILE INFORMATION TO SERVER
1510
SERVER USER PROFILE SUCCESSFULLY UPDATED ?
1512
YES
NO
1514
UPDATE LOCAL USER PROFILE BASED ON THE MODIFIED PROFILE INFORMATION
END
1516
DISPLAY ERROR MESSAGE INDICATING PROFILE NOT UPDATED
RETRY ?
1518
YES
NO

FIG. 15

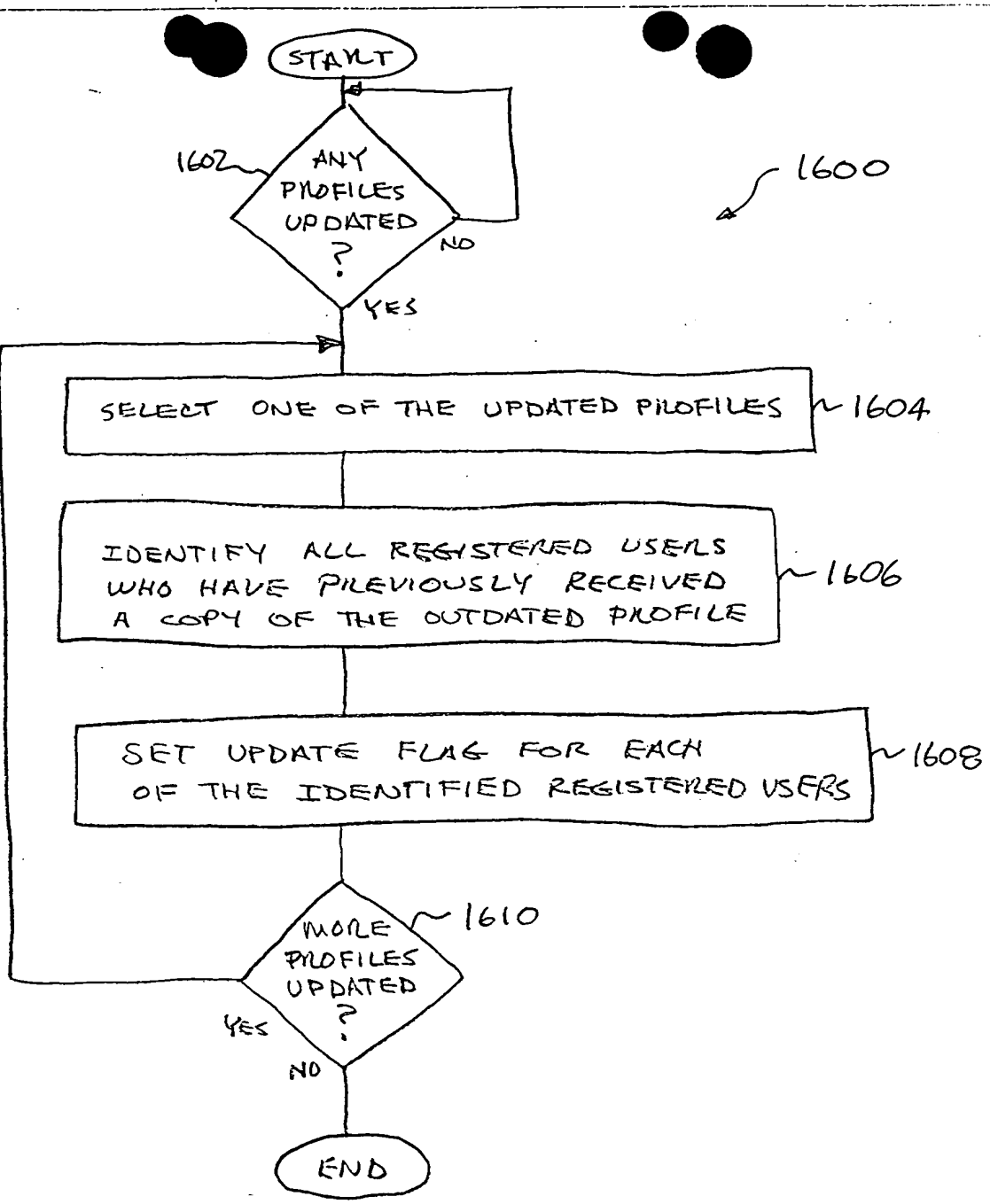

FIG. 16

09/13/2005 - 10:39:56 - 0945745

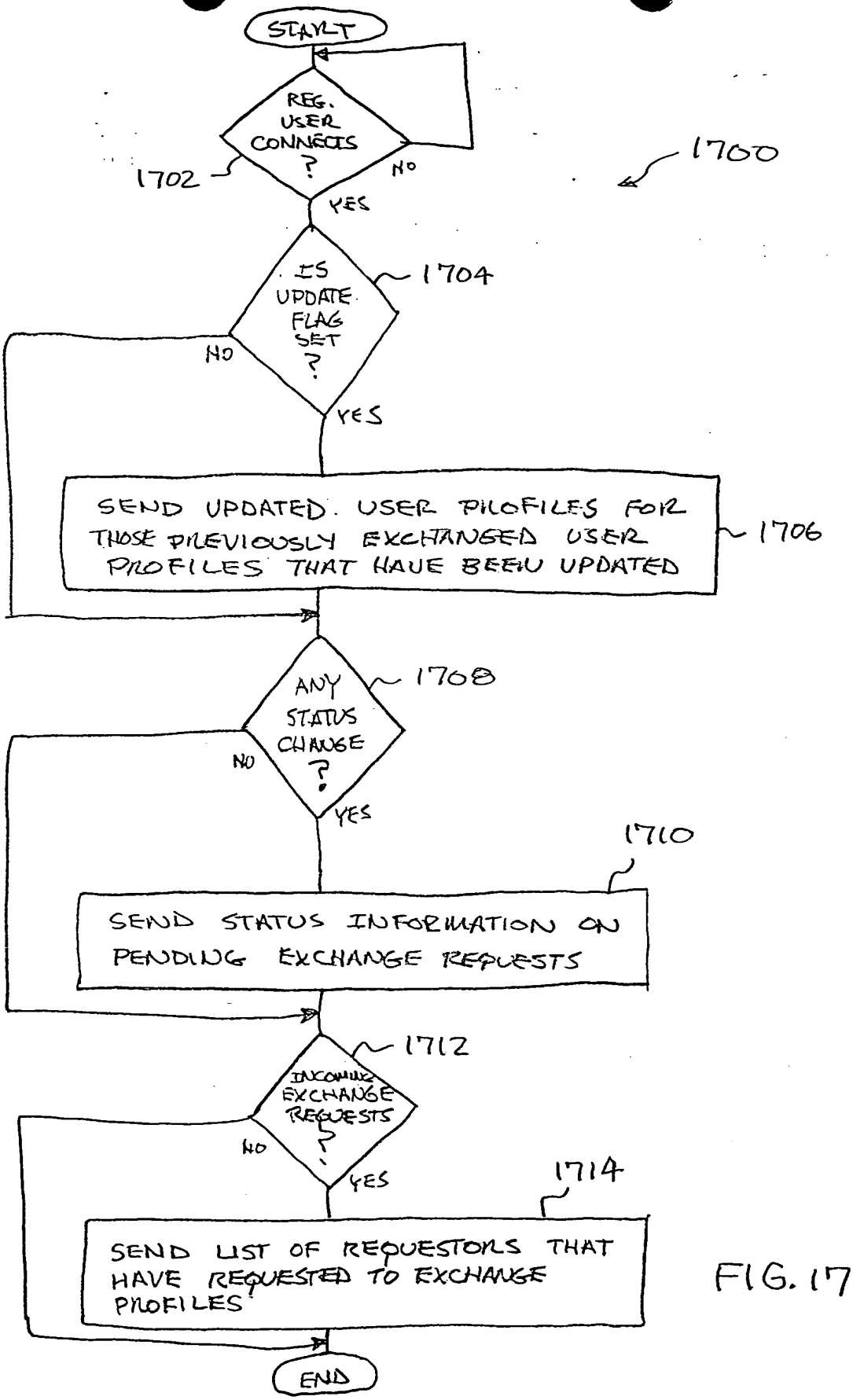
START
REG. USER CONNECTS ?
NO
YES
1702
1700
IS UPDATE FLAG SET ?
1704
NO
YES
SEND UPDATED USER PROFILES FOR THOSE PREVIOUSLY EXCHANGED USER PROFILES THAT HAVE BEEN UPDATED
1706
ANY STATUS CHANGE ?
1708
NO
YES
1710
SEND STATUS INFORMATION ON PENDING EXCHANGE REQUESTS
1712
INCOMING EXCHANGE REQUESTS ?
NO
YES
1714
SEND LIST OF REQUESTORS THAT HAVE REQUESTED TO EXCHANGE PROFILES
END

FIG. 17

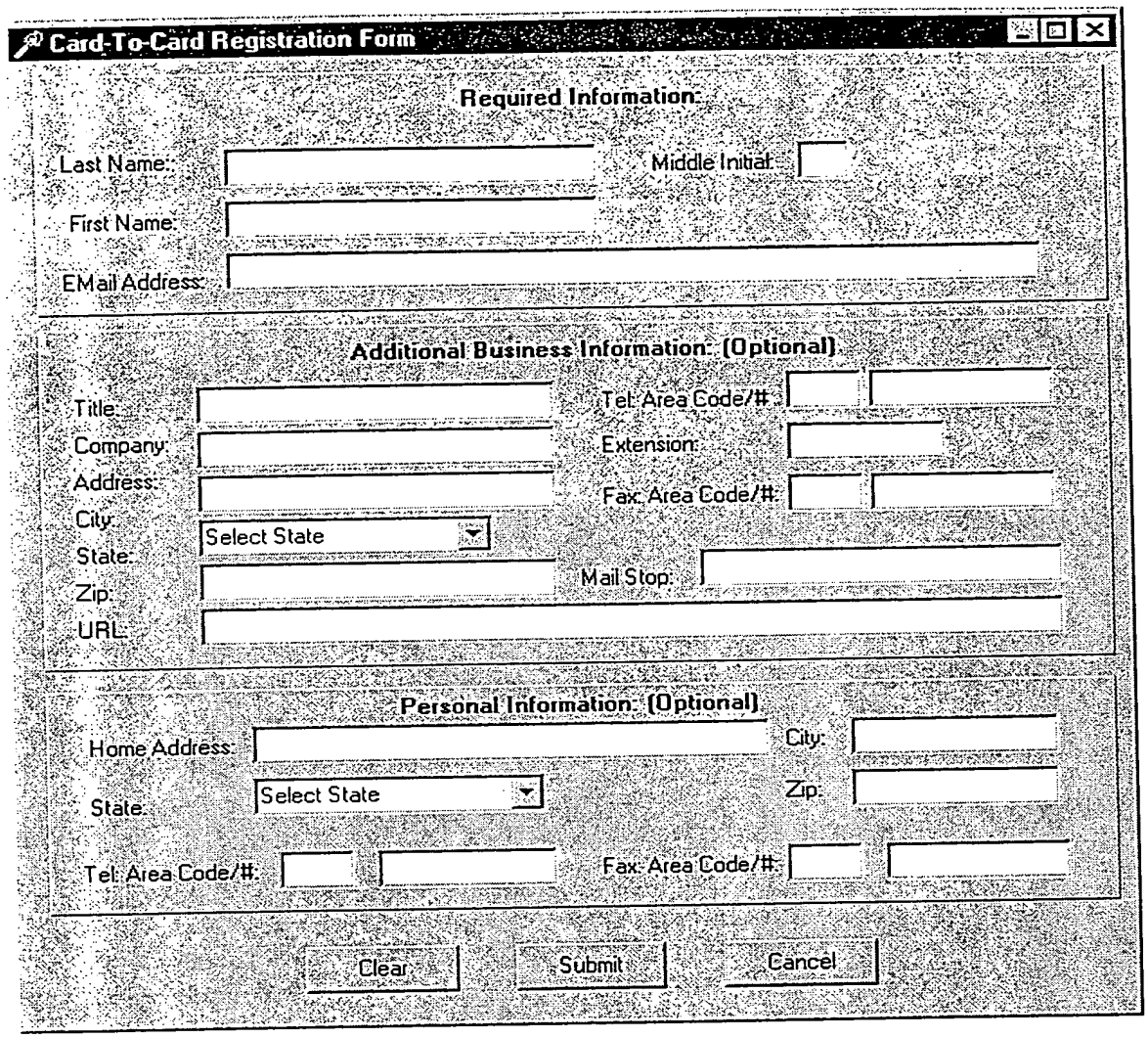
Card-To-Card Registration Form
Required Information:
Last Name:
Middle Initial:
First Name:
EMail Address:
Additional Business Information: (Optional)
Title:
Tel: Area Code/#:
Company:
Extension:
Address:
Fax: Area Code/#:
City:
State:
Select State
Zip:
Mail Stop:
URL:
Personal Information: (Optional)
Home Address:
City:
State:
Select State
Zip:
Tel: Area Code/#:
Fax: Area Code/#:
Clear
Submit
Cancel

FIG. 18A

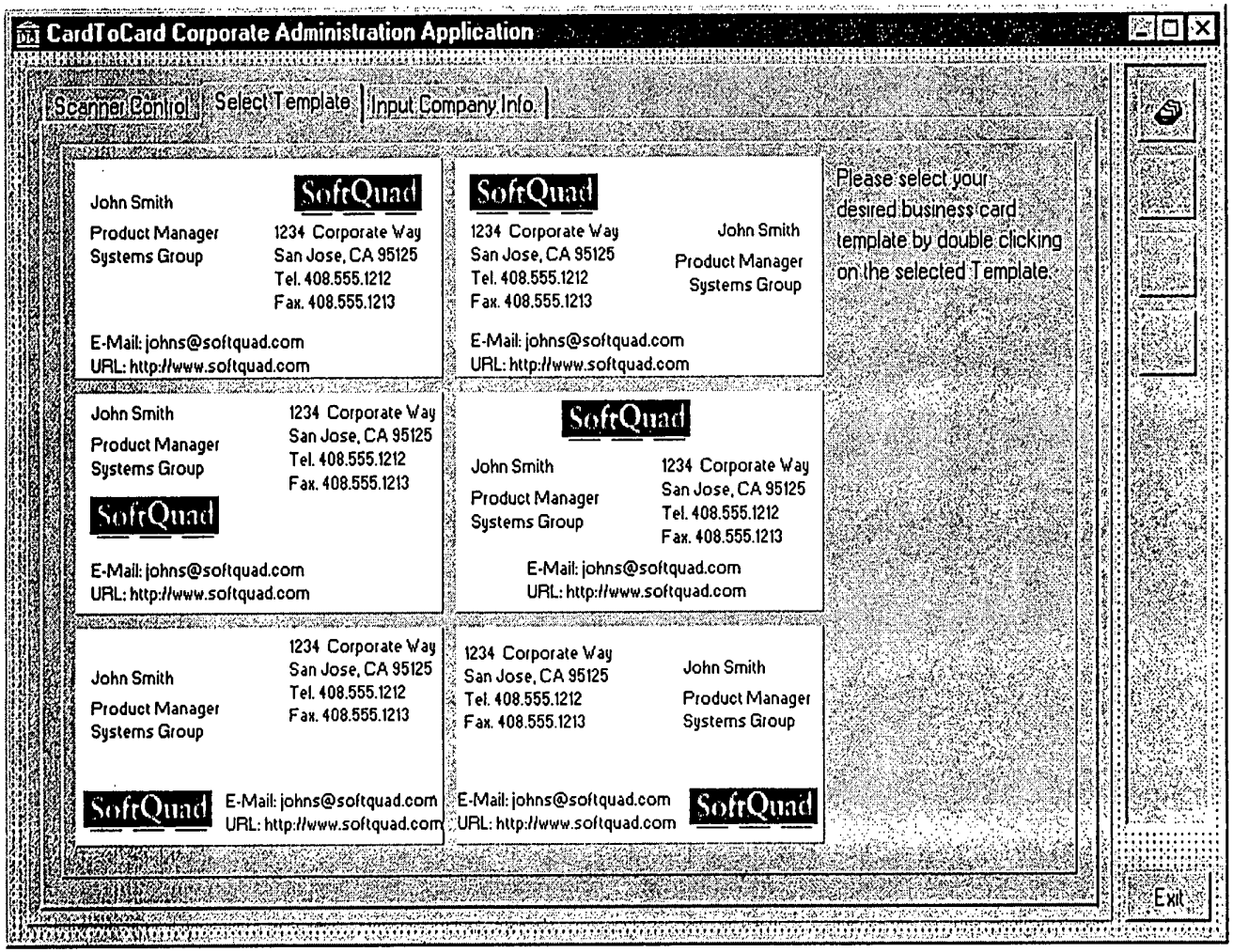
CardToCard Corporate Administration Application
Scanner Control
Select Template
Input Company Info
John Smith
Product Manager
Systems Group
SoftQuad
1234 Corporate Way
San Jose, CA 95125
Tel. 408.555.1212
Fax. 408.555.1213
E-Mail: johns@softquad.com
URL: http://www.softquad.com
Please select your desired business card template by double clicking on the selected Template.
Exit

FIG. 18B

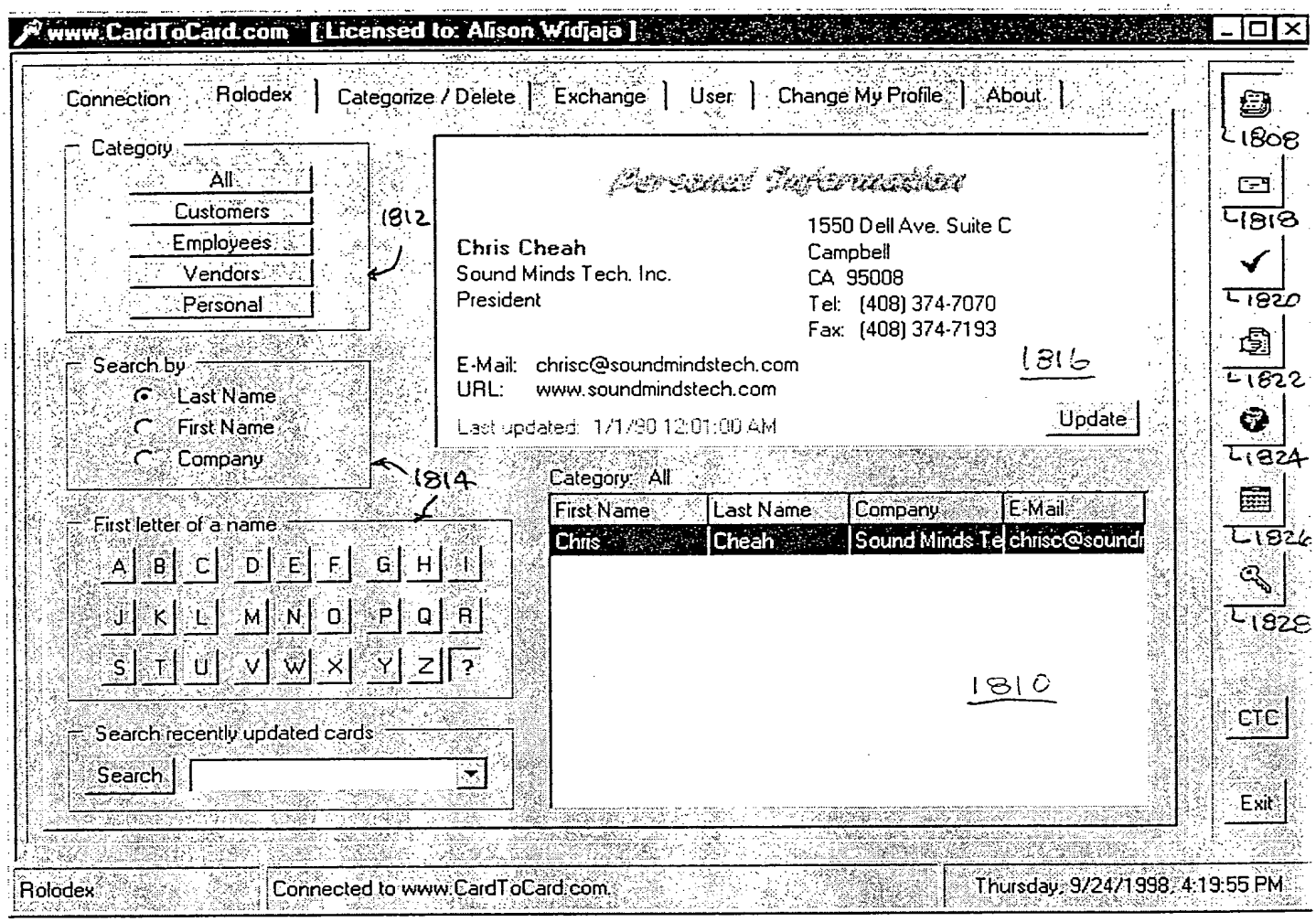
www.CardToCard.com [Licensed to: Alison Widjaja]
Connection
Rolodex
Categorize / Delete
Exchange
User
Change My Profile
About
Category
All
Customers
Employees
Vendors
Personal
1812
Search by
Last Name
First Name
Company
1814
First letter of a name
A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z ?
Search recently updated cards
Search
Personal Information
Chris Cheah
Sound Minds Tech. Inc.
President
1550 Dell Ave. Suite C
Campbell
CA 95008
Tel: (408) 374-7070
Fax: (408) 374-7193
E-Mail: chrisc@soundmindstech.com
URL: www.soundmindstech.com
Last updated: 1/1/90 12:01:00 AM
1816
Update
Category: All
First Name
Last Name
Company
E-Mail
Chris
Cheah
Sound Minds Te
chrisc@soundr
1810
1808
1818
1820
1822
1824
1826
1828
CTC
Exit
Rolodex
Connected to www.CardToCard.com.
Thursday, 9/24/1998, 4:19:55 PM

FIG. 18C

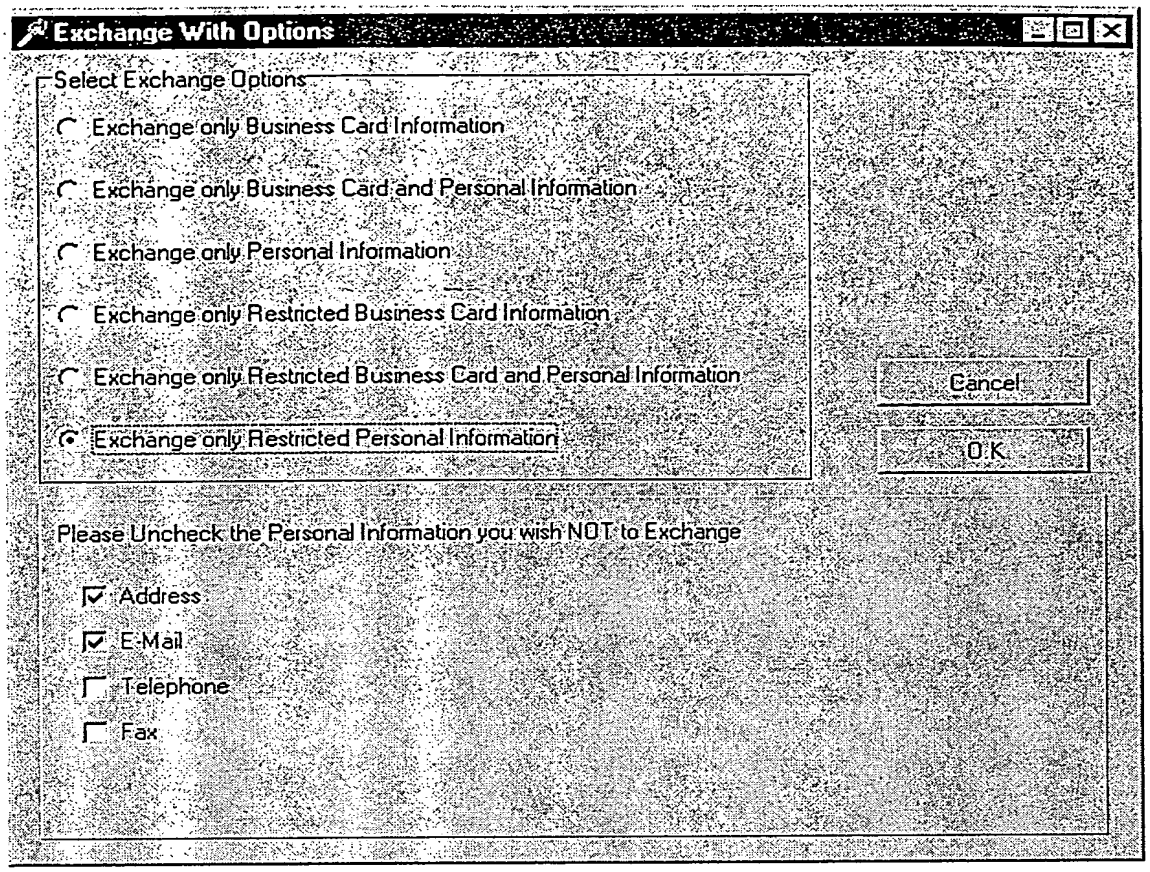
Exchange With Options
Select Exchange Options
Exchange only Business Card Information
Exchange only Business Card and Personal Information
Exchange only Personal Information
Exchange only Restricted Business Card Information
Exchange only Restricted Business Card and Personal Information
Exchange only Restricted Personal Information
Cancel
O.K
Please Uncheck the Personal Information you wish NOT to Exchange
Address
E-Mail
Telephone
Fax

FIG. 18D

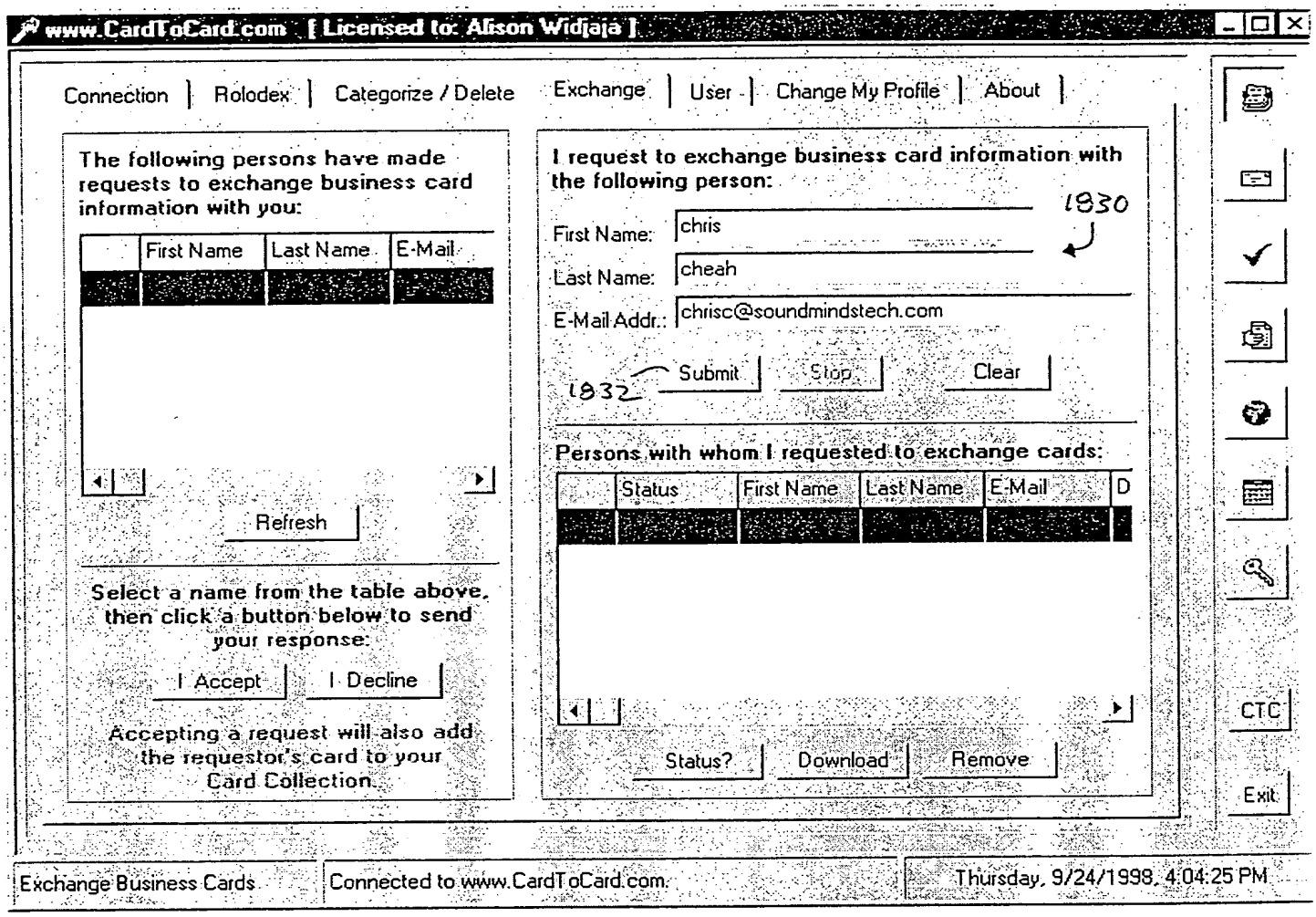

FIG. 18E

09547455 - 092498

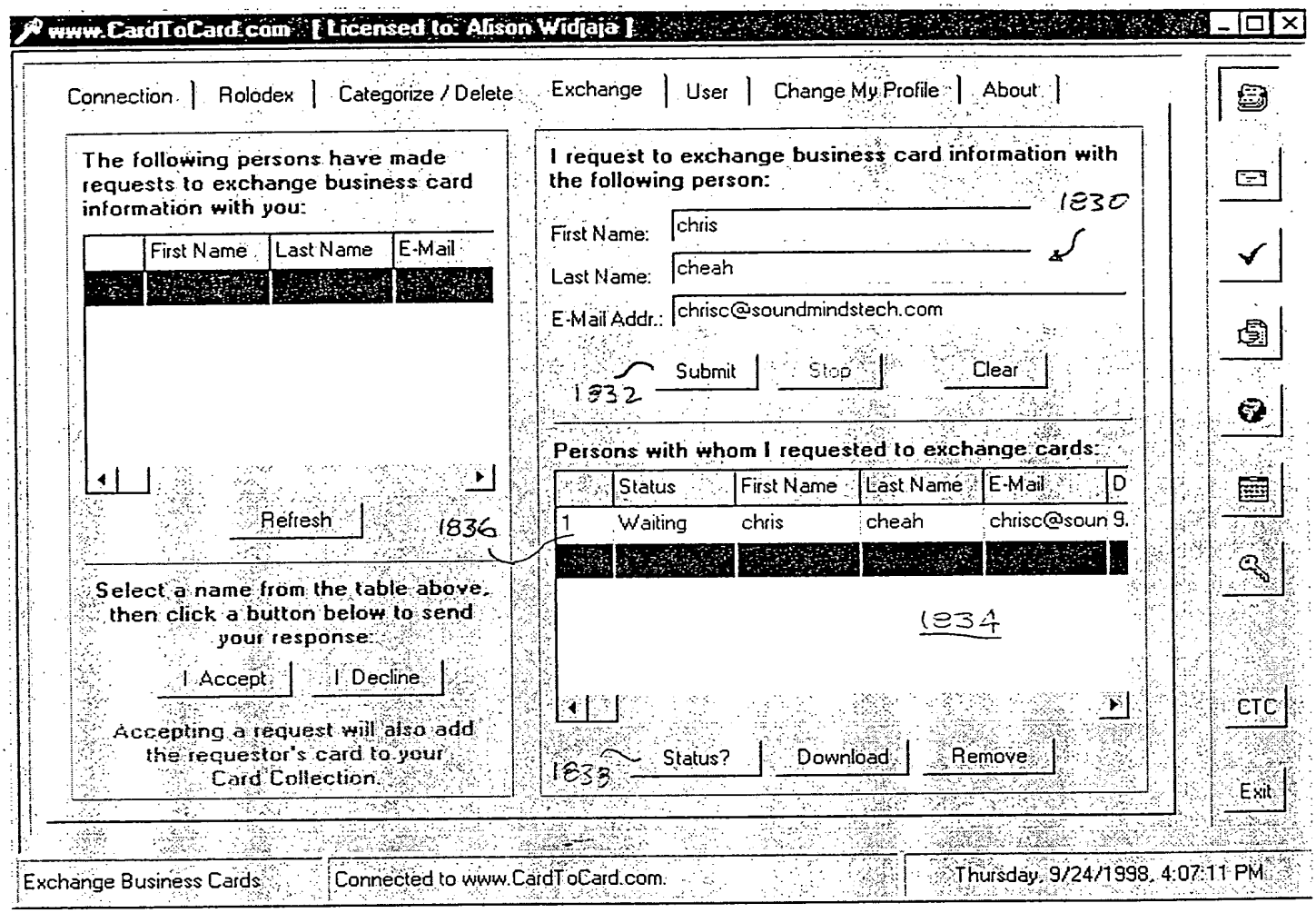
www.CardToCard.com [Licensed to: Alison Widjaja]
Connection | Rolodex | Categorize / Delete | Exchange | User | Change My Profile | About
The following persons have made requests to exchange business card information with you:
First Name | Last Name | E-Mail
Refresh
1836
Select a name from the table above, then click a button below to send your response:
I Accept
I Decline
Accepting a request will also add the requestor's card to your Card Collection.
I request to exchange business card information with the following person:
1830
First Name: chris
Last Name: cheah
E-Mail Addr.: chrisc@soundmindstech.com
1832
Submit
Stop
Clear
Persons with whom I requested to exchange cards:
Status | First Name | Last Name | E-Mail | D
1 Waiting chris cheah chrisc@soun 9.
1834
1838
Status?
Download
Remove
CTC
Exit
Exchange Business Cards
Connected to www.CardToCard.com.
Thursday, 9/24/1998, 4:07:11 PM

FIG. 18F

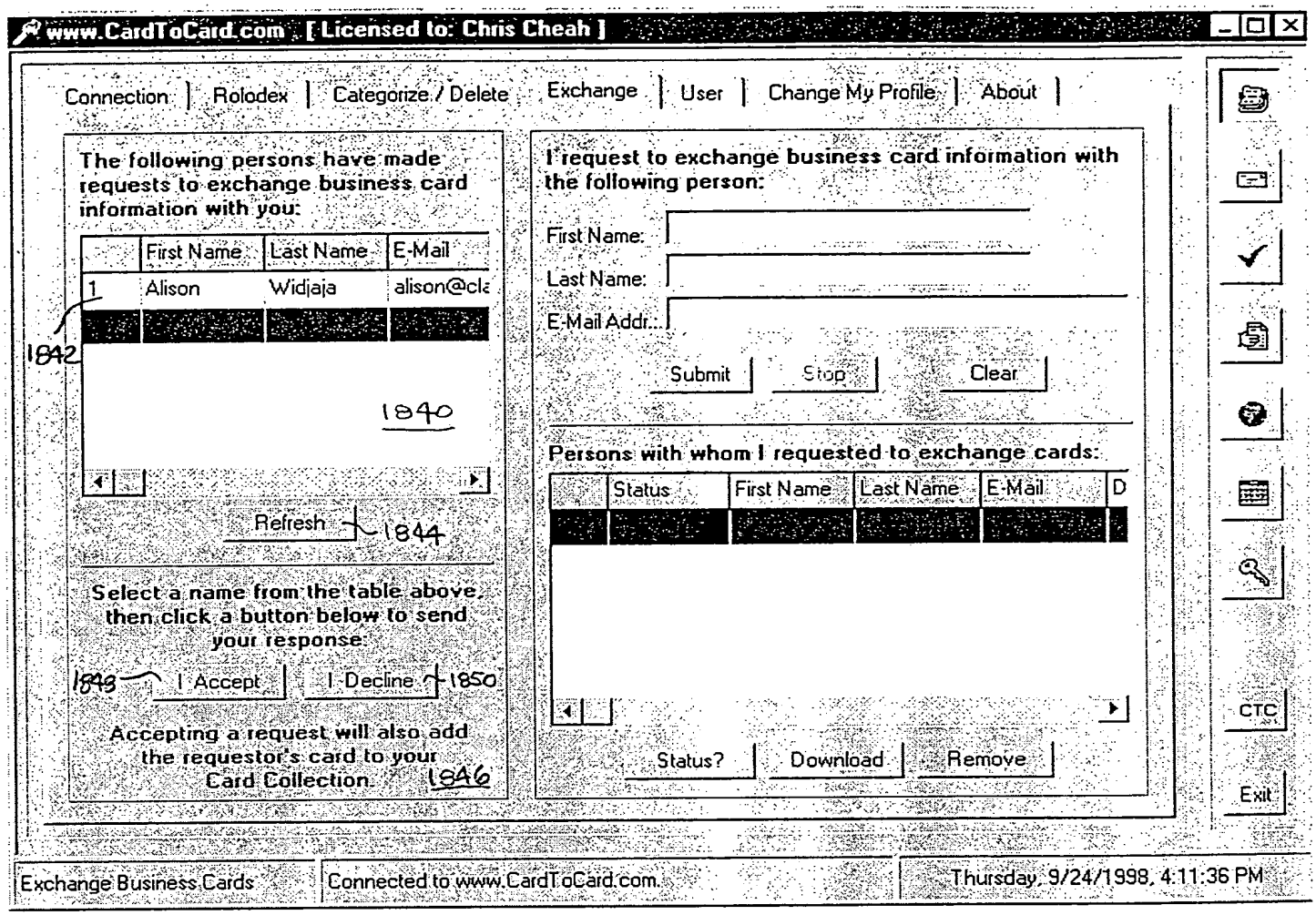

FIG. 18G

5,961,601 - 09/28/1999

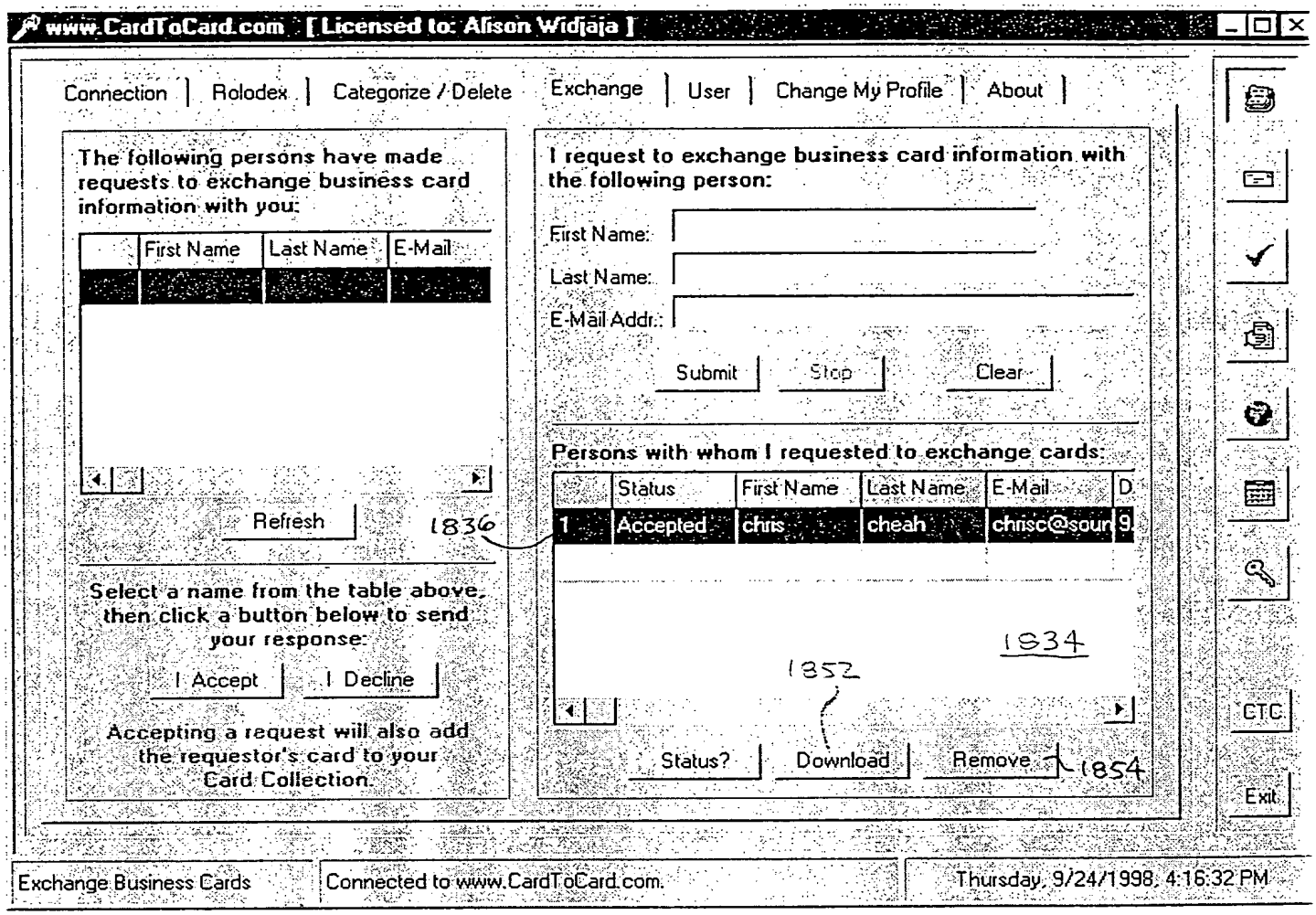
www.CardToCard.com [Licensed to: Alison Widjaja]
Connection
Rolodex
Categorize / Delete
Exchange
User
Change My Profile
About
The following persons have made requests to exchange business card information with you:
First Name
Last Name
E-Mail
Refresh
1836
Select a name from the table above, then click a button below to send your response:
I Accept
I Decline
Accepting a request will also add the requestor's card to your Card Collection.
I request to exchange business card information with the following person:
First Name:
Last Name:
E-Mail Addr.:
Submit
Stop
Clear
Persons with whom I requested to exchange cards:
Status
First Name
Last Name
E-Mail
1
Accepted
chris
cheah
chrisc@soun
1834
1852
Status?
Download
Remove
1854
CTC
Exit
Exchange Business Cards
Connected to www.CardToCard.com.
Thursday, 9/24/1998, 4:16:32 PM

FIG. 18H

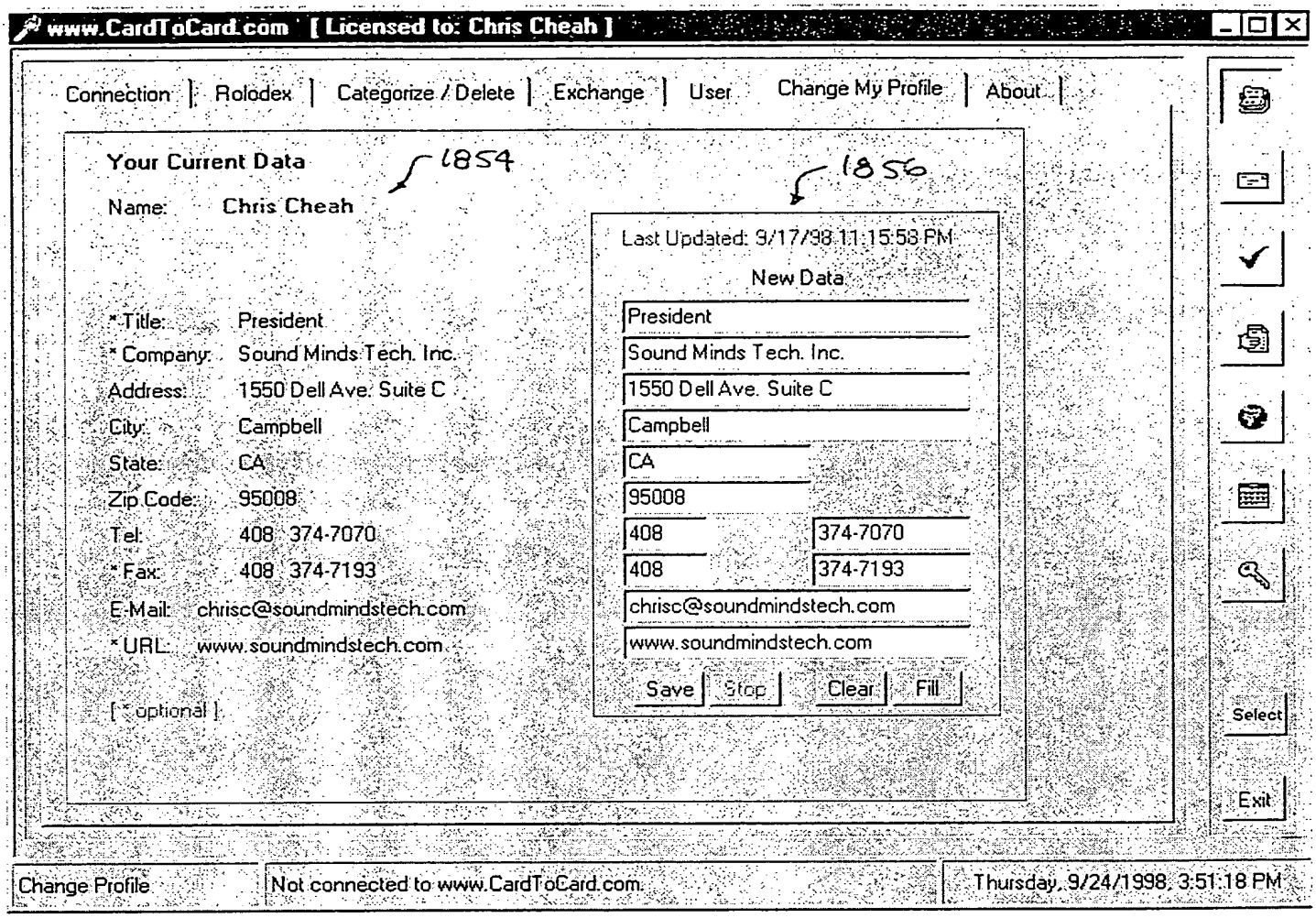
www.CardToCard.com [Licensed to: Chris Cheah]
Connection | Rolodex | Categorize / Delete | Exchange | User | Change My Profile | About
Your Current Data
1854
Name: Chris Cheah
1856
Last Updated: 9/17/98 11:15:58 PM
New Data
* Title: President
* Company: Sound Minds Tech. Inc.
Address: 1550 Dell Ave. Suite C
City: Campbell
State: CA
Zip Code: 95008
Tel: 408 374-7070
* Fax: 408 374-7193
E-Mail: chrisc@soundmindstech.com
* URL: www.soundmindstech.com
[* optional]
President
Sound Minds Tech. Inc.
1550 Dell Ave. Suite C
Campbell
CA
95008
408 374-7070
408 374-7193
chrisc@soundmindstech.com
www.soundmindstech.com
Save
Stop
Clear
Fill
Select
Exit
Change Profile
Not connected to www.CardToCard.com
Thursday, 9/24/1998, 3:51:18 PM

FIG. 18I

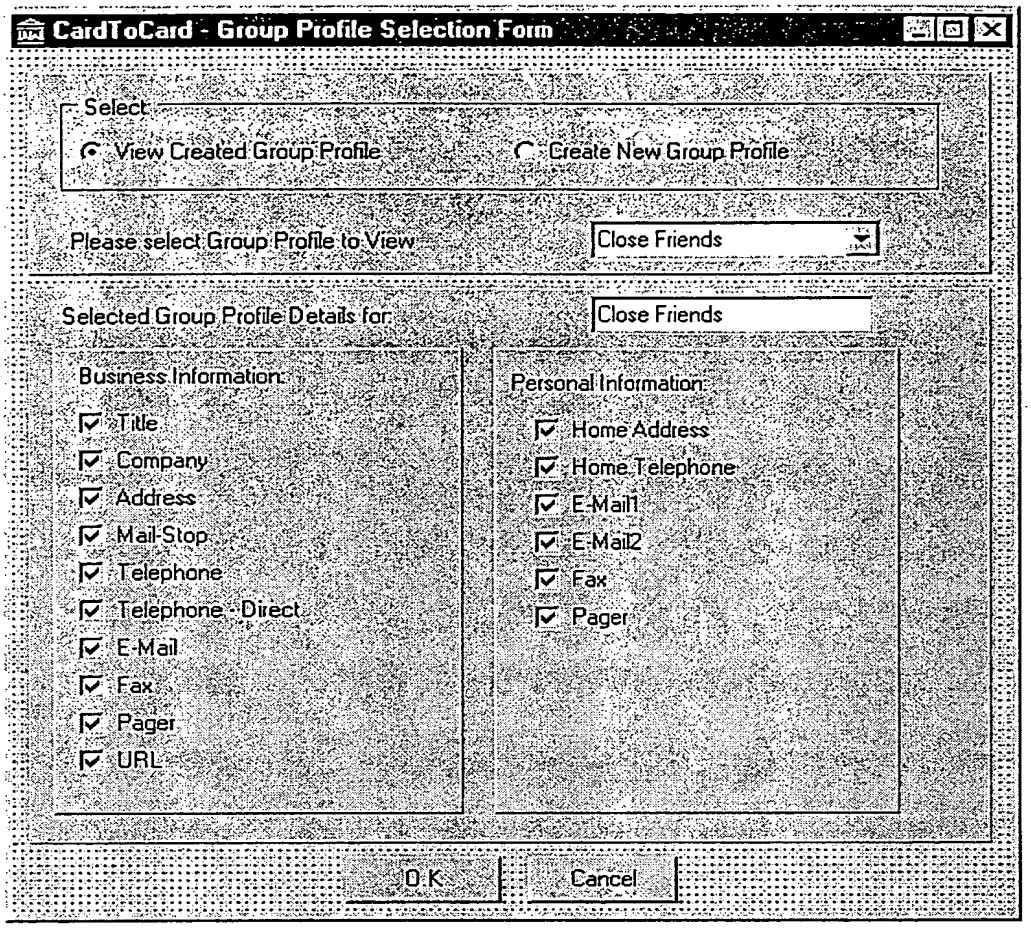
CardToCard - Group Profile Selection Form
Select
View Created Group Profile
Create New Group Profile
Please select Group Profile to View
Close Friends
Selected Group Profile Details for:
Close Friends
Business Information:
Title
Company
Address
Mail Stop
Telephone
Telephone - Direct
E-Mail
Fax
Pager
URL
Personal Information:
Home Address
Home Telephone
E-Mail1
E-Mail2
Fax
Pager
OK
Cancel

FIG. 18J

66E70T" 95h2Th60

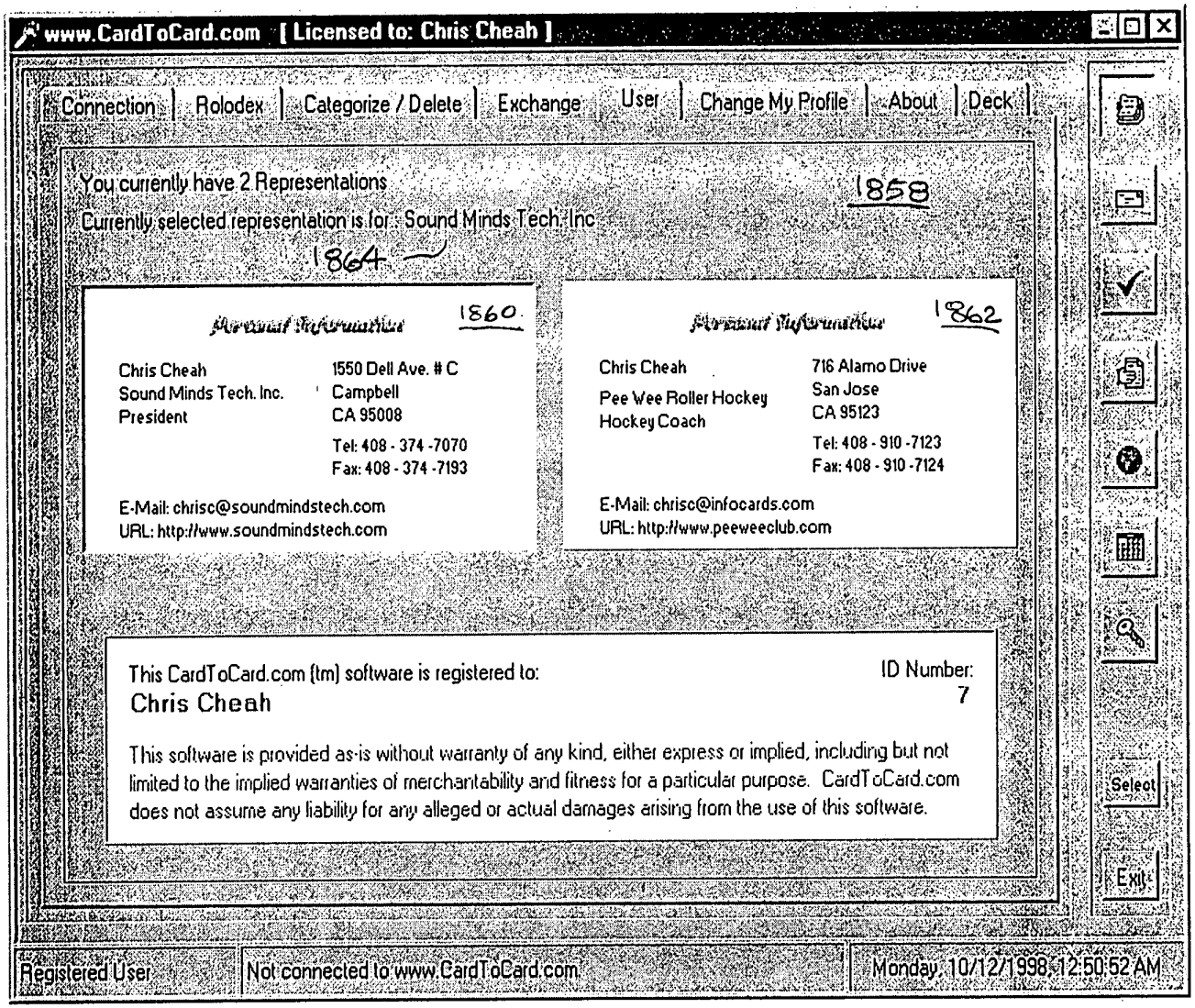

FIG. 18K

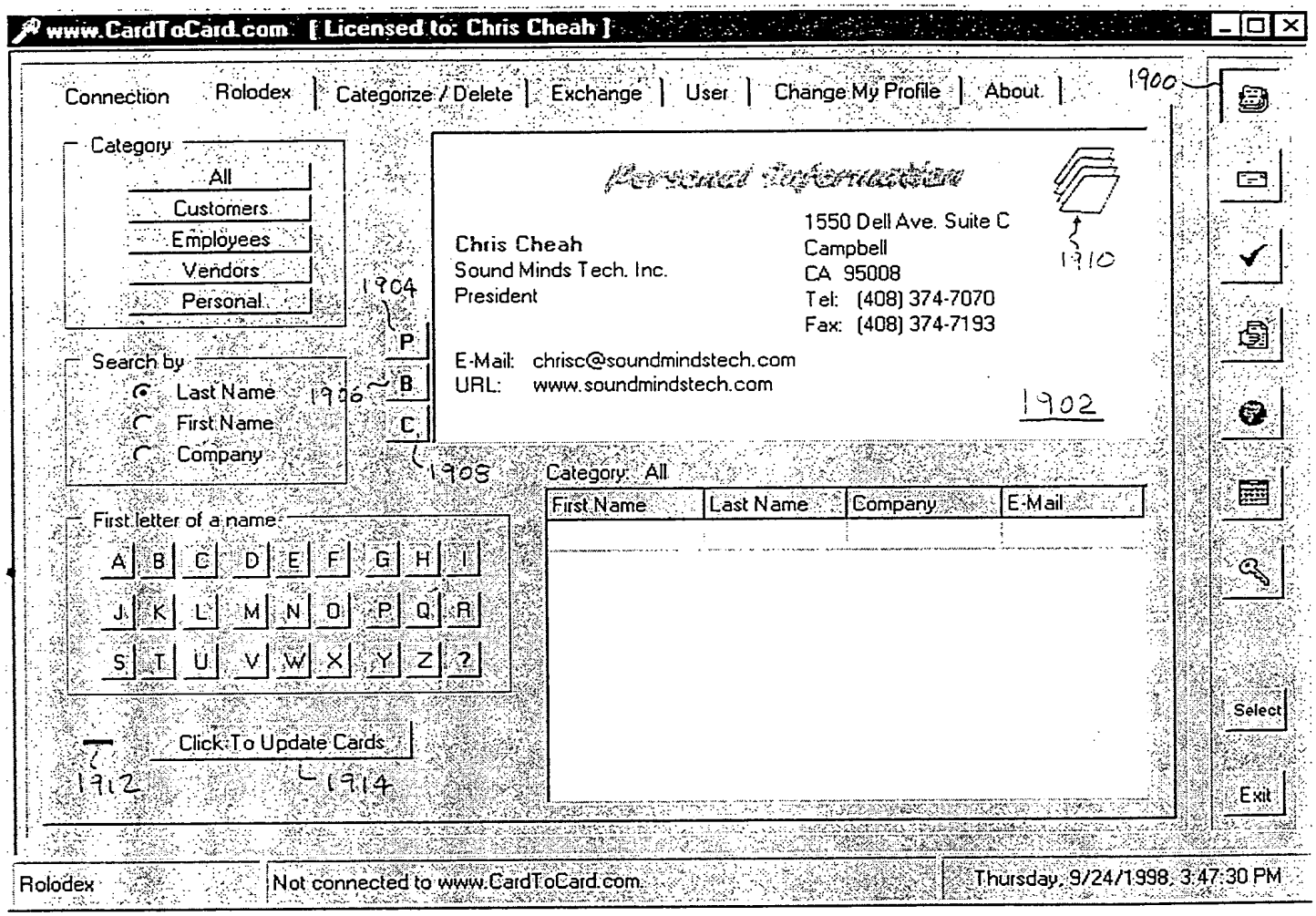
www.CardToCard.com [Licensed to: Chris Cheah]
Connection
Rolodex
Categorize / Delete
Exchange
User
Change My Profile
About
1900
Category
All
Customers
Employees
Vendors
Personal
Search by
Last Name
First Name
Company
1906
1904
P
B
C
1908
First letter of a name
A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z ?
Click To Update Cards
1912
1914
Personal Information
Chris Cheah
Sound Minds Tech. Inc.
President
1550 Dell Ave. Suite C
Campbell
CA 95008
Tel: (408) 374-7070
Fax: (408) 374-7193
E-Mail: chrisc@soundmindstech.com
URL: www.soundmindstech.com
1910
1902
Category: All
First Name
Last Name
Company
E-Mail
Select
Exit
Rolodex
Not connected to www.CardToCard.com
Thursday, 9/24/1998, 3:47:30 PM

FIG. 19A

2

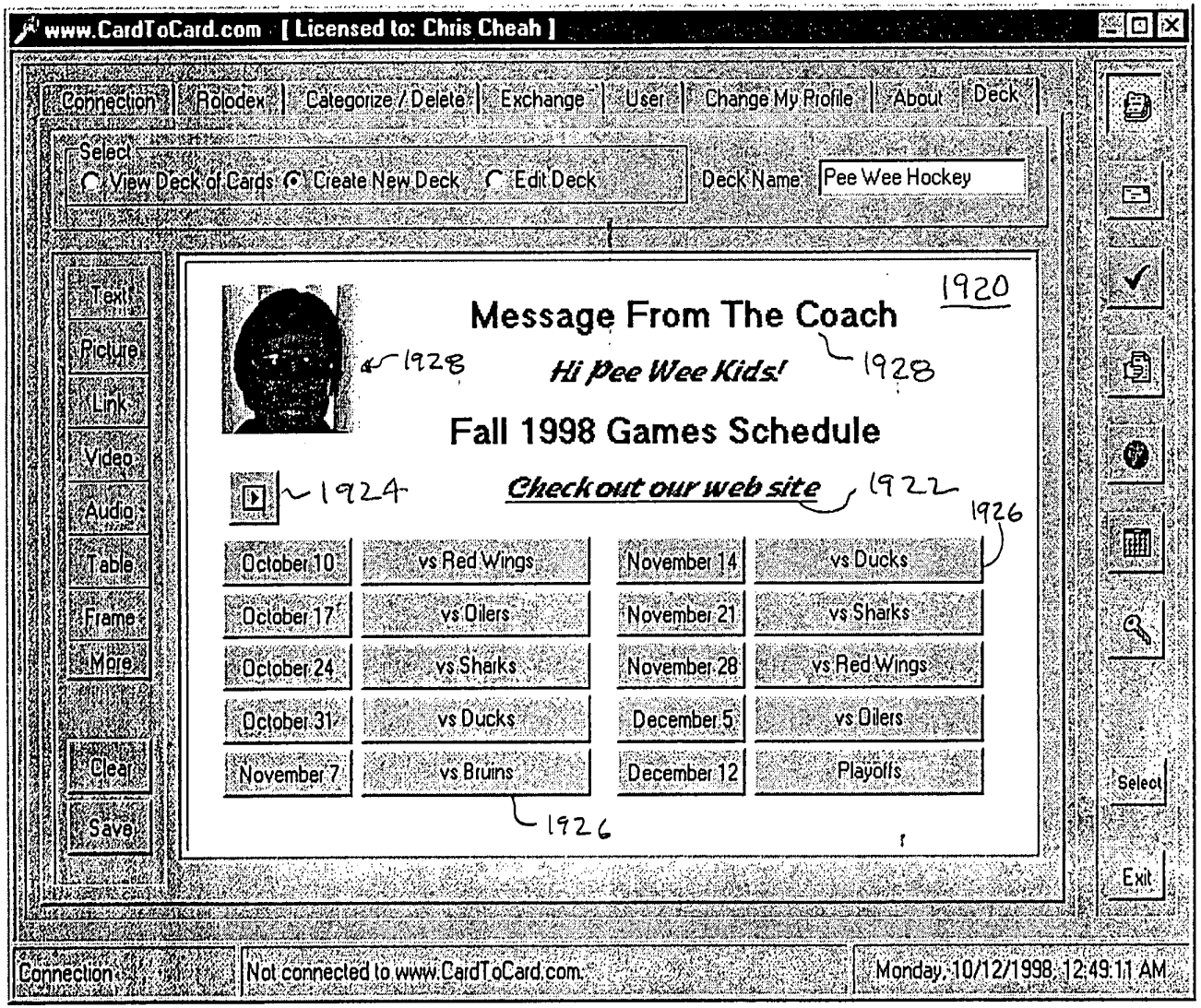
www.CardToCard.com [Licensed to: Chris Cheah]
Connection
Rolodex
Categorize / Delete
Exchange
User
Change My Profile
About
Deck
Select
View Deck of Cards
Create New Deck
Edit Deck
Deck Name:
Pee Wee Hockey
Text
Picture
Link
Video
Audio
Table
Frame
More
Clear
Save
Select
Exit
1920
Message From The Coach
1928
Hi Pee Wee Kids!
1928
Fall 1998 Games Schedule
1924
Check out our web site
1922
1926
October 10
vs Red Wings
November 14
vs Ducks
October 17
vs Oilers
November 21
vs Sharks
October 24
vs Sharks
November 28
vs Red Wings
October 31
vs Ducks
December 5
vs Oilers
November 7
vs Bruins
December 12
Playoffs
1926
Connection
Not connected to www.CardToCard.com
Monday, 10/12/1998, 12:49:11 AM

FIG. 19A-1

66E70T" 95h2Th60

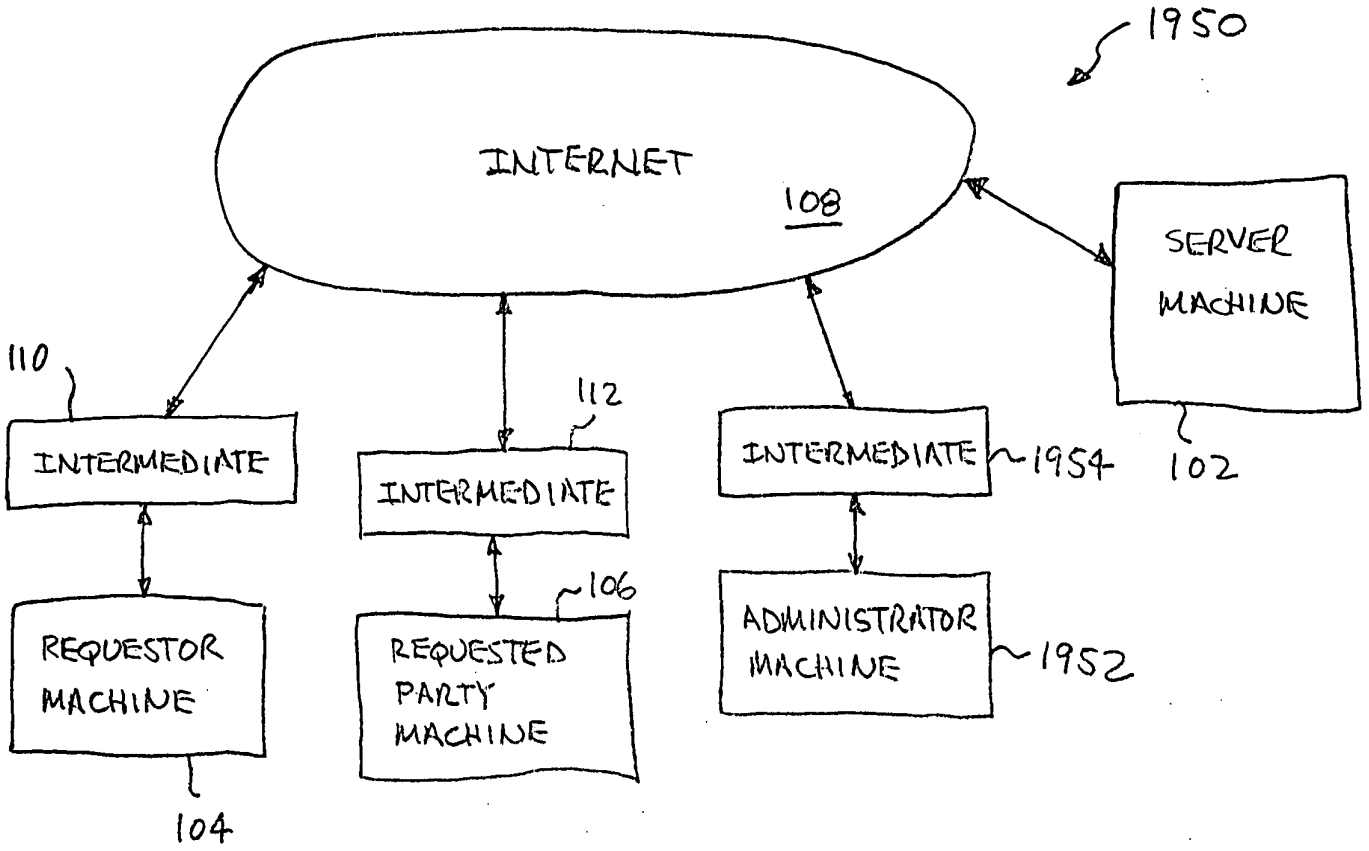

FIG. 19B

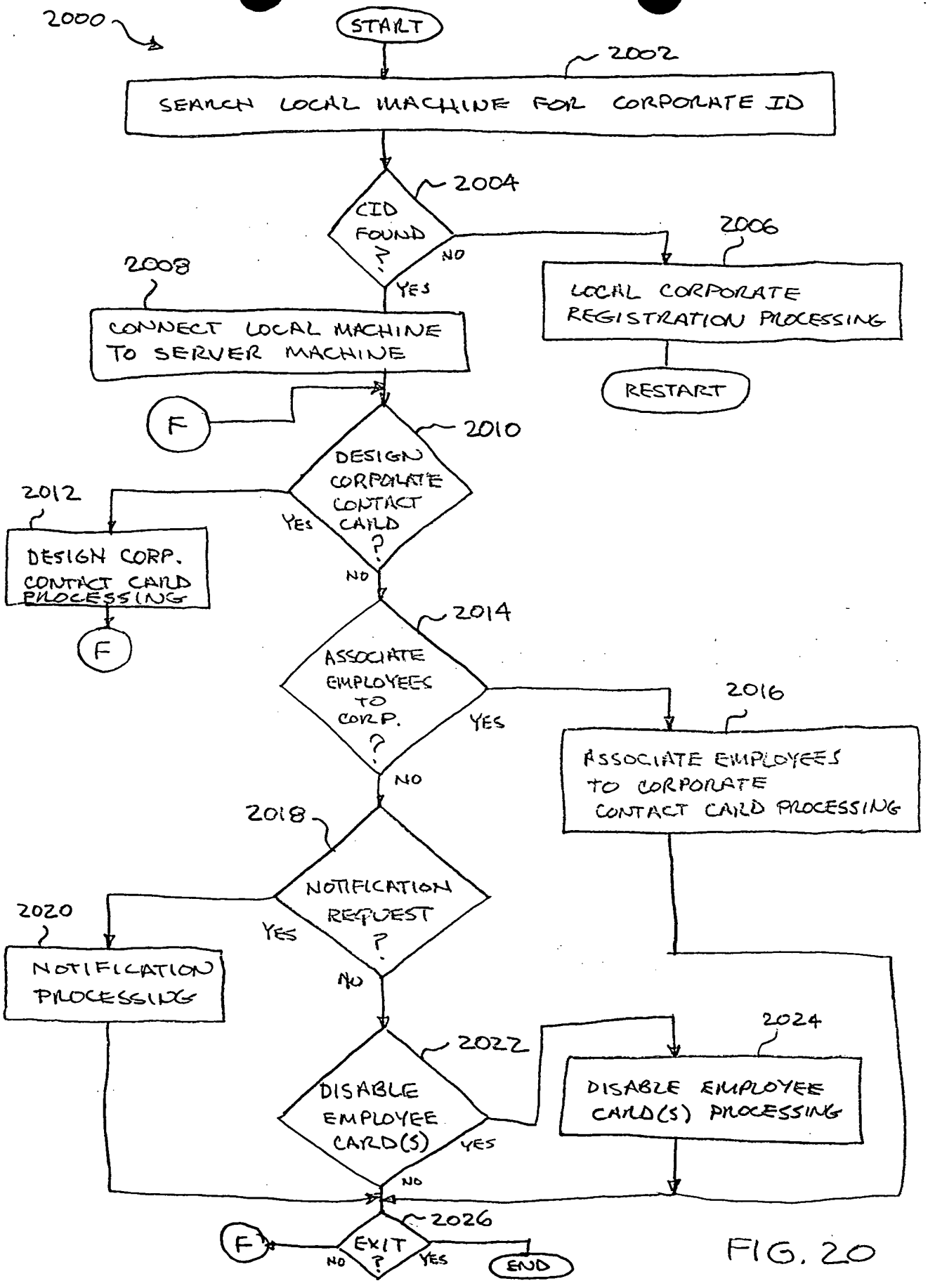
2000
START
2002
SEARCH LOCAL MACHINE FOR CORPORATE ID
2004
CID FOUND ?
NO
YES
2006
LOCAL CORPORATE REGISTRATION PROCESSING
RESTART
2008
CONNECT LOCAL MACHINE TO SERVER MACHINE
F
2010
DESIGN CORPORATE CONTACT CARD ?
2012
YES
DESIGN CORP. CONTACT CARD PROCESSING
F
NO
2014
ASSOCIATE EMPLOYEES TO CORP. ?
YES
2016
ASSOCIATE EMPLOYEES TO CORPORATE CONTACT CARD PROCESSING
NO
2018
NOTIFICATION REQUEST ?
2020
YES
NOTIFICATION PROCESSING
NO
2022
DISABLE EMPLOYEE CARD(S)
2024
DISABLE EMPLOYEE CARD(S) PROCESSING
YES
NO
2026
F
EXIT ?
NO
YES
END

FIG. 20

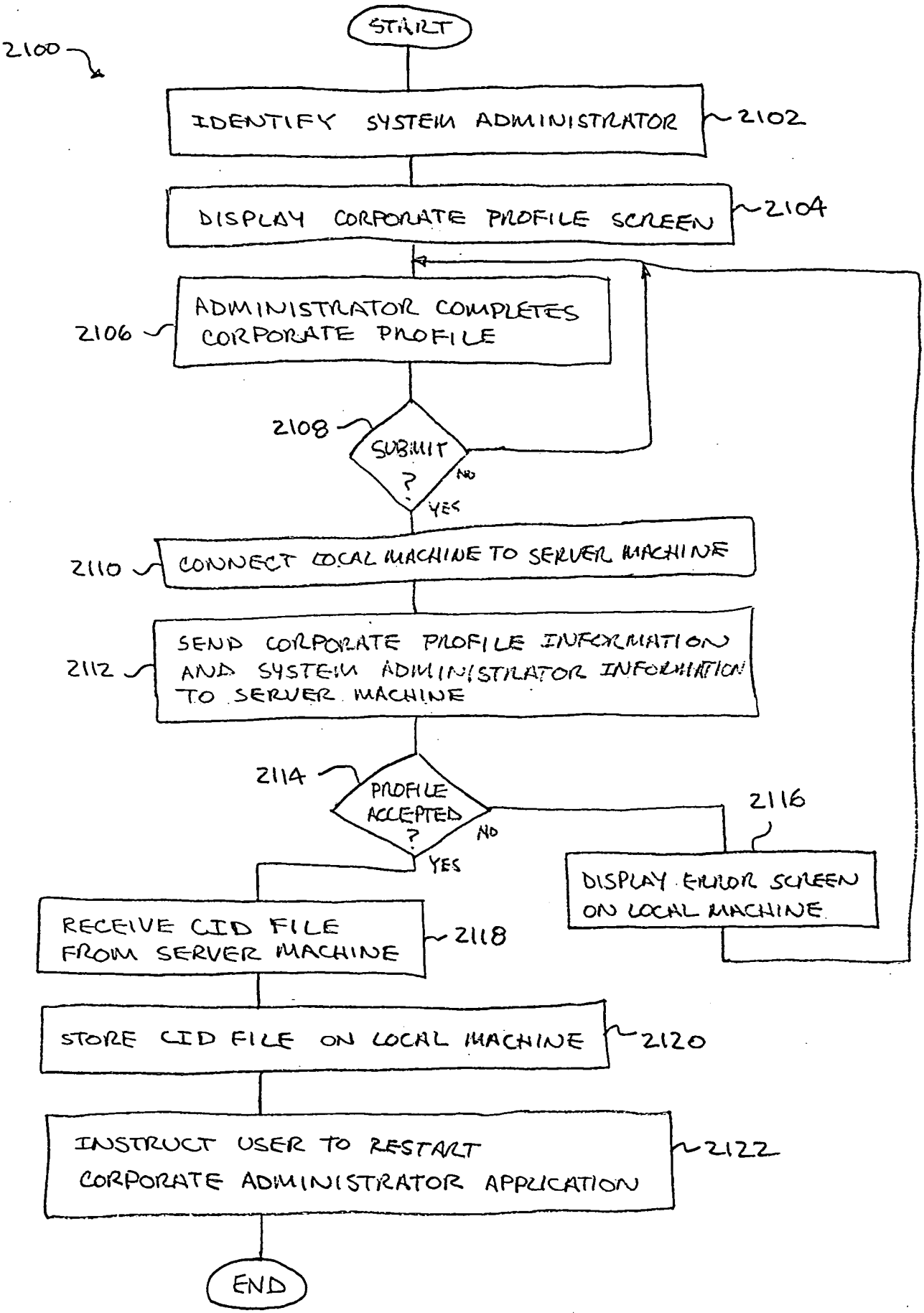
START
2100
IDENTIFY SYSTEM ADMINISTRATOR
2102
DISPLAY CORPORATE PROFILE SCREEN
2104
ADMINISTRATOR COMPLETES CORPORATE PROFILE
2106
2108
SUBMIT ?
NO
YES
CONNECT LOCAL MACHINE TO SERVER MACHINE
2110
SEND CORPORATE PROFILE INFORMATION AND SYSTEM ADMINISTRATOR INFORMATION TO SERVER MACHINE
2112
2114
PROFILE ACCEPTED ?
NO
YES
2116
DISPLAY ERROR SCREEN ON LOCAL MACHINE
RECEIVE CID FILE FROM SERVER MACHINE
2118
STORE CID FILE ON LOCAL MACHINE
2120
INSTRUCT USER TO RESTART CORPORATE ADMINISTRATOR APPLICATION
2122
END

FIG. 21

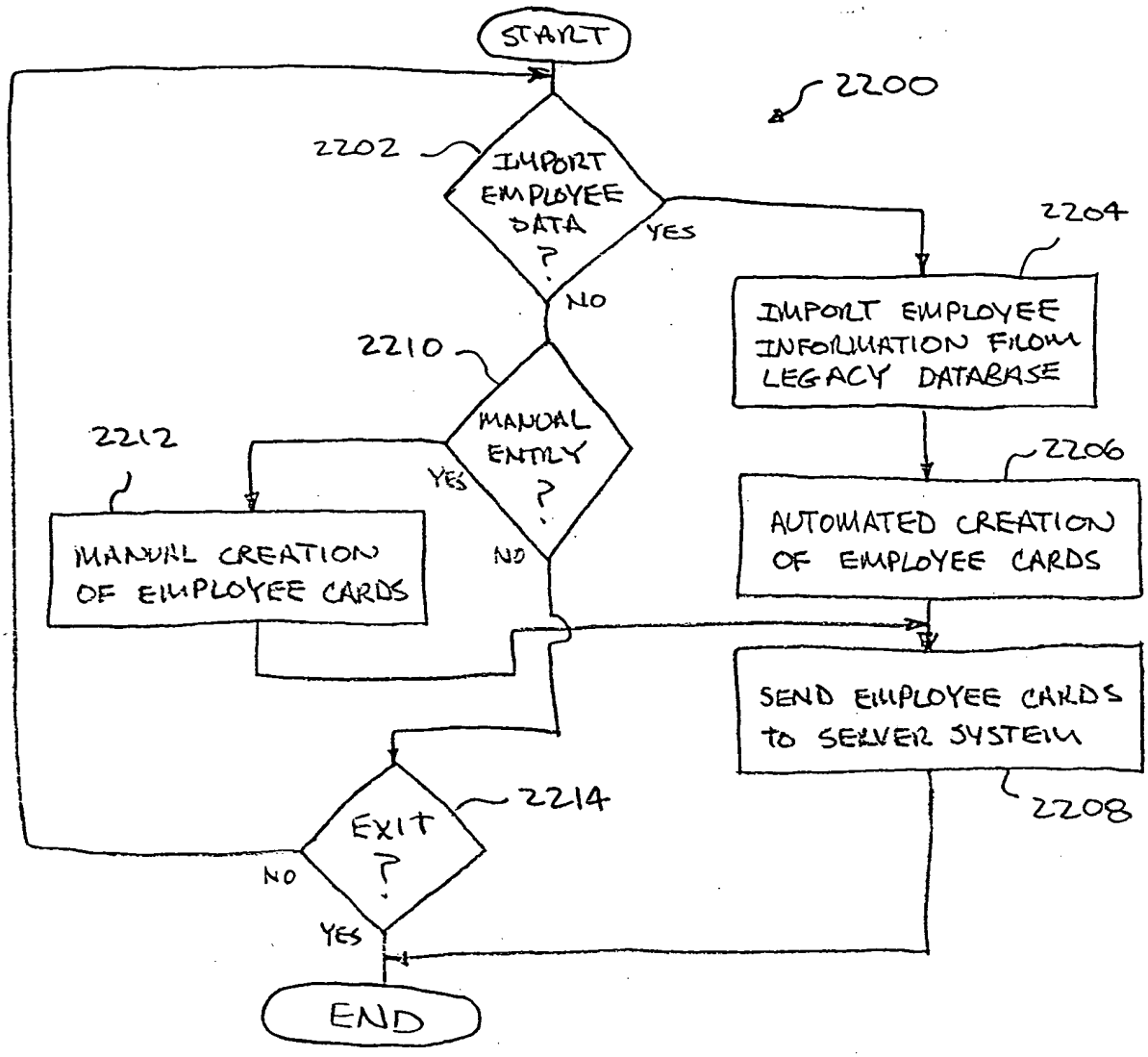
START
2200
2202
IMPORT EMPLOYEE DATA ?
YES
NO
2204
IMPORT EMPLOYEE INFORMATION FROM LEGACY DATABASE
2210
MANUAL ENTRY ?
YES
NO
2212
MANUAL CREATION OF EMPLOYEE CARDS
2206
AUTOMATED CREATION OF EMPLOYEE CARDS
SEND EMPLOYEE CARDS TO SERVER SYSTEM
2208
2214
EXIT ?
NO
YES
END

FIG. 22

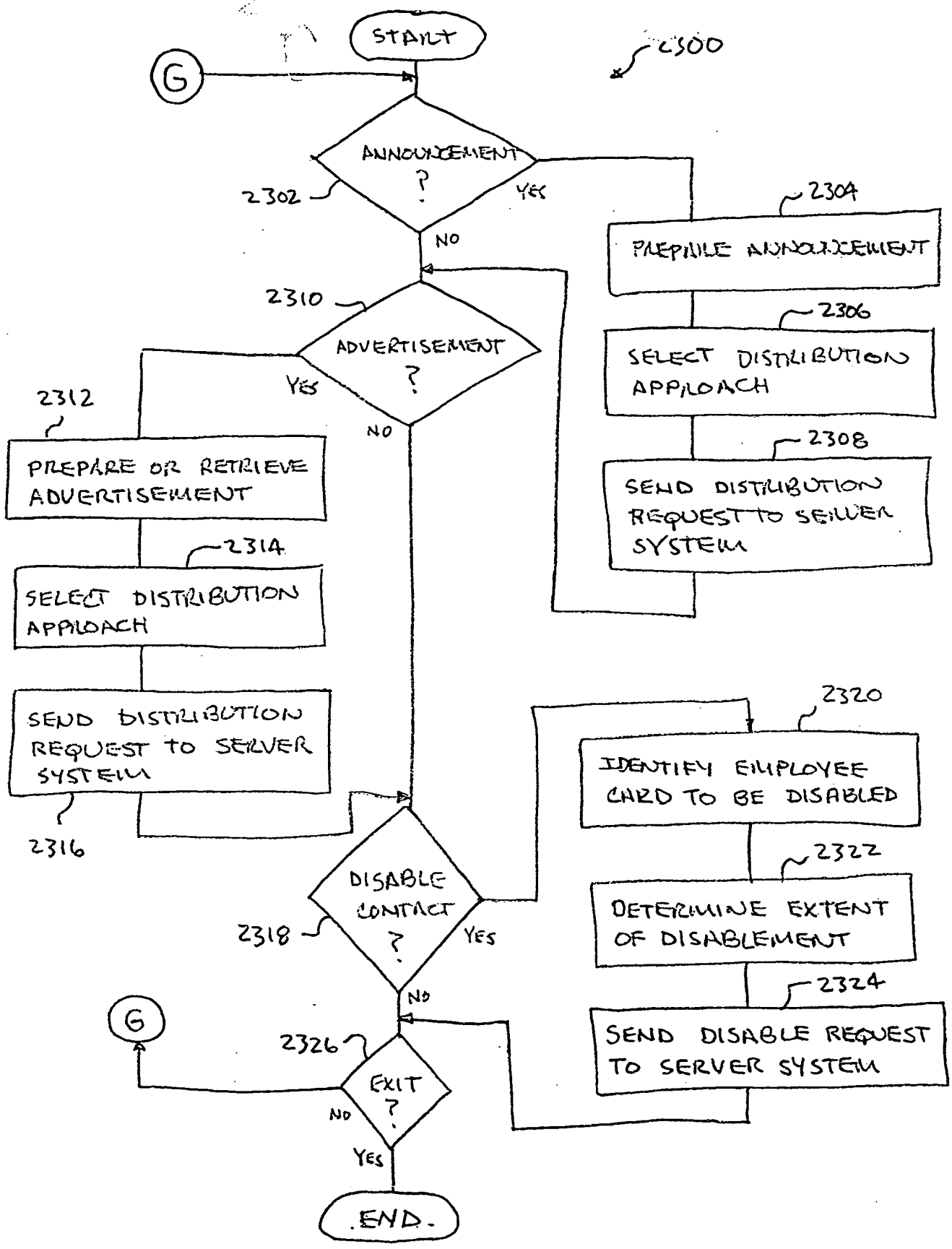
START
G
2300
ANNOUNCEMENT ?
2302
YES
NO
2304
PREPARE ANNOUNCEMENT
2306
SELECT DISTRIBUTION APPROACH
2308
SEND DISTRIBUTION REQUEST TO SERVER SYSTEM
2310
ADVERTISEMENT ?
YES
NO
2312
PREPARE OR RETRIEVE ADVERTISEMENT
2314
SELECT DISTRIBUTION APPROACH
SEND DISTRIBUTION REQUEST TO SERVER SYSTEM
2316
2320
IDENTIFY EMPLOYEE CARD TO BE DISABLED
2322
DETERMINE EXTENT OF DISABLEMENT
2324
SEND DISABLE REQUEST TO SERVER SYSTEM
DISABLE CONTACT ?
2318
YES
NO
G
2326
EXIT ?
NO
YES
END

FIG. 23

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